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CLASSIFIED GUIDE
TO
TECHNICAL AND
COMMERCIAL BOOKS

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E. GREENWOOD

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CLASSIFIED GUIDE
TO
TECHNICAL AND
COMMERCIAL BOOKS

*A SUBJECT-LIST OF THE PRINCIPAL BRITISH
AND AMERICAN WORKS IN PRINT*

COMPILED BY
EDGAR GREENWOOD

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PREFACE.

THE object of this Guide is to group into sections and subdivisions the principal books in the English language treating of technical and commercial subjects. The growth of technical education has created a demand for books covering a wide range of technology; hitherto the inquirer has had to search through various catalogues for a book on any given subject. This Guide enables him to see at a glance all the books of any standing dealing with nearly every profession and industry.

As far as possible, only books in print are given, but a few books may have gone out of print while this volume has been passing through the press. The bibliographical details refer to the latest edition of each book, and where American books are on sale in this country, the name of the British firm holding stock is given and the letters "U.S.A." designate it as an American book. Owing to the large range of subjects dealt with, it has been impossible to enter a book under more than one heading, but the index will frequently form the quickest means of tracing books on any particular subject. The sizes of the volumes in inches are approximately as follows:—

Folio 14 × 10 inches.	Demy 8vo 8½ × 5½ inches.
Quarto 12 × 9 inches.	Crown 8vo 7½ × 5 inches.
Royal 8vo 10 × 6 inches.	12mo 7 × 4 inches.
Medium 8vo 9½ × 6 inches.	16mo 6½ × 4 inches.

The year given is that appearing on the title page of the last edition and where no place is given after the publisher's name, London is understood.

Subjects not dealt with in this Guide are Medicine, Law and Dentistry, but books on Pharmacy, Hygiene, Hospital and Veterinary work, Commercial and Industrial Law find a place. A section relating to Education and Methods of Teaching has been

included, but it has been found impossible to name all the school books now in print.

My thanks are gratefully rendered to all the publishers who have kindly allowed me to see their books, and to the gentlemen who have read the proofs of sections relating to professions or industries in which they were specially interested. I am also indebted to the *English Catalogue*, the *Publishers' Circular* (London), and the *Publishers' Weekly* (New York), and the excellent library of the Patent Office, London, for the dates of publication of many of the books.

E. G.

19 LUDGATE HILL, LONDON, E.C.
September, 1904.

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AGRICULTURE, by R. H. Wallace, for Students. Cr. 8vo. 352 pp. 136 Illus. 1895. Chambers, 3s.

AGRICULTURE, Elementary Course, by W. T. Lawrence. Post 8vo. 184 pp. Illus. 1893. Chambers, 2s.

AGRICULTURAL TEXTBOOK, for Elementary Students, by J. Wrightson, Gl. 8vo. 263 pp. 19 Illus. Collins, 2s. 6d.

CATECHISM OF PRACTICAL AGRICULTURE, revised by J. Macdonald. Cr. 8vo. 96 pp. 1894. Blackwood, 1s. limp.

ELEMENTARY AGRICULTURE, by R. P. Wright. Fcp. 8vo. Blackie, 1s. 6d.

ELEMENTARY AGRICULTURE, by H. J. Webb, Ph.D., B.Sc. Cr. 8vo. 3rd ed. 196 pp. 34 Illus. 1896. Longmans, 2s. 6d.

ELEMENTARY LESSONS IN THE Science of Agricultural Practice, by H. Tanner. Fcp. 8vo. 310 pp. 1893. Macmillan, 3s. 6d.

ELEMENTS OF AGRICULTURE, for Schools, by J. B. McBryde. 12mo. 270 pp. 1901. B. F. Johnson Pub. Co., Richmond, Va. (U.S.A.), 60c.

FIRST PRINCIPLES OF AGRICULTURE, by E. B. Voorhees (U.S.A.). Cr. 8vo. 212 pp. 1899. Gay & Bird, 4s. 6d.

LIGHTER BRANCHES OF AGRICULTURE, by Edith Bradley and B. la Mothe. Cr. 8vo. 368 pp. 1903. Chapman, 5s.

PRINCIPLES OF AGRICULTURE, ed. by L. H. Bailey (U.S.A.). Gl. 8vo. 2nd ed. 300 pp. 92 Illus. 1900. Macmillan, 4s. 6d.

PRINCIPLES OF AGRICULTURE, by R. P. Wright. Fcp. 8vo. 2nd ed. 206 pp. Blackie, 1s. 6d.

Agriculture—Advanced.

ADVANCED AGRICULTURE, for Students, by H. J. Webb, Ph.D., B.Sc. Cr. 8vo. 672 pp. 100 Illus. 1894. Longmans, 7s. 6d.

AGRICULTURE, PRACTICAL AND Scientific, by J. Muir. Cr. 8vo. 343 pp. 39 Illus. 49 Tables. 1895. Macmillan, 4s. 6d.

ELEMENTS OF AGRICULTURAL GEOLOGY: Scientific Aid to Practical Farming, by P. McConnell. Royal 8vo. 330 pp. 1902. Lockwood, 21s.

TEXTBOOK OF PHYSICS OF AGRICULTURE, by F. H. King (U.S.A.). Cr. 8vo. 2nd ed. 603 pp. 276 Illus. 1901. Gay & Bird, 8s.

Agriculture—Tropical.

FUTURE OF THE DATE PALM IN India, by E. Bonavia, M.D. Cr. 8vo. Thacker, 2rs. 8an.

MANUAL OF AGRICULTURE FOR India, by Lt. F. Pogson. Illus. Cr. 8vo. Thacker, 5rs.

TEXTBOOK OF TROPICAL AGRICULTURE, by H. A. A. Nicholls. Cr. 8vo. 312 pp. 16 Illus. 1900. Macmillan, 6s.

TROPICAL AGRICULTURE: Cultivation, Preparation for Shipment and Commercial Value of Substances obtained from Tropical Trees and Plants, by P. L. Simmonds. Demy 8vo. 2nd ed. 520 pp. Spon, 21s.

Agricultural Chemistry.

ADULTERATION ACTS: Treatise on Fertilisers, Feeding Stuffs and Food Adulteration Acts, by R. J. Kelly, B.L. Official Guide, Ltd., Dublin, 1s. 6d.

ADULTERATION OF AGRICULTURAL Fertilisers and Feeding Stuffs, by F. H. Cripps-Day. Royal 12mo. 1894. Stevens & Sons, 5s.

Agricultural Chemistry, continued.

AGRICULTURAL ANALYSIS (Quantitative), for Students, by F. T. Addyman, B.Sc. Cr. 8vo. 200 pp. 49 illus. 1893. Longmans, 5s.

AGRICULTURAL CHEMISTRY, by R. H. Adie, M.A., B.Sc., and T. B. Wood, M.A. 2 vols. Cr. 8vo. 1897. Vol. I. 280 pp. 18 illus. Air, Water, Metals, Salts, etc., 3s. 6d. Vol. II. 229 pp. 18 illus. Soil, Manures, Foods, etc., 3s. 6d. Paul.

CATECHISM OF AGRICULTURAL CHEMISTRY, revised by C. M. Aikman from Sir Chas. A. Cameron's ed. Cr. 8vo. 96 pp. 31 illus. 1894. Blackwood, 1s. limp.

CHEMISTRY OF SOILS AND FERTILISERS, by H. Snyder (U.S.A.). Cr. 8vo. 277 pp. 33 illus. 1899. Gay & Bird, 7s. 6d.

CHEMISTRY OF THE FARM, by R. Warington. Cr. 8vo. 15th ed. 1902. Vinton, 2s. 6d.

ELEMENTS OF AGRICULTURAL CHEMISTRY, by J. F. W. Johnston, revised by C. M. Aikman, M.A., D.Sc. Cr. 8vo. 17th ed. 482 pp. 23 illus. 1894. Blackwood, 6s. 6d.

EXPERIMENTAL COURSE OF CHEMISTRY, for Agricultural Students, by T. S. Dymond. Cr. 8vo. 192 pp. 50 illus. E. Arnold, 2s. 6d.

FERTILISERS AND FEEDING STUFFS: Their Properties and Uses, by B. Dyer, D.Sc. Cr. 8vo. 3rd ed. 130 pp. 1898. Lockwood, 1s. limp.

LABORATORY GUIDE FOR AGRICULTURAL STUDENTS, by A. H. Church. 8vo. 7th ed. 286 pp. 1894. Gurney & J., 6s. 6d.

LECTURES ON SOME OF THE PHYSICAL PROPERTIES OF SOIL, by R. Warington. Royal 8vo. 231 pp. 1900. Frowde, 6s.

MANUAL OF AGRICULTURAL CHEMISTRY, by H. Ingle. Demy 8vo. 388 pp. 11 illus. 1902. Scott, Greenwood, 7s. 6d.

PRINCIPLES AND PRACTICE OF AGRICULTURAL CHEMICAL ANALYSIS, by H. W. Wiley (U.S.A.). 3 vols. Vol. I. Soils. 607 pp. 62 illus. 31 Plates, 20s. Vol. II. Fertilisers. 332 pp. 17 illus., 10s. Vol. III. Agricultural Products. 665 pp. 125 illus. 20s. Gay & Bird.

THE SOIL: Introduction to the Study of Growth of Crops, by A. D. Hall, M.A. Cr. 8vo. 1903. J. Murray, 3s. 6d.

THE SOIL: Its Nature, Relations and Fundamental Principles of Management, by F. H. King. Fep. 8vo. Macmillan, 3s.

Agricultural Holdings Act.

AGRICULTURAL HOLDINGS ACT, by J. W. W. Bund, M.A., LL.B. Post 8vo. 2nd ed. 428 pp. 1883. Butterworth, 12s.

AGRICULTURAL HOLDINGS ACTS, 1883 and 1900, and other Agricultural Statutes, by J. M. Lely, M.A., and W. H. Aggs, M.A., LL.M. Demy 8vo. 1901. Clowes, 27s. 6d.

AGRICULTURAL HOLDINGS (ENGLAND) ACTS, 1883-1900, with explanatory notes, forms, Allotments Act, 1887, etc., by A. J. Spencer. Demy 8vo. 2nd ed. 168 pp. 1901. Stevens & Sons, 7s. 6d.

LAW OF AGRICULTURAL HOLDINGS, Acts of 1883 and 1900, by S. Mayer, B.A., Ph.D. Demy 8vo. 4th ed. 167 pp. 1900. Waterlow, 5s. 9d.

MANUAL OF LAW RELATING TO Small Agricultural Holdings, by C. D. Forster. 12mo. 1892. Stevens & Sons, 2s. 6d.

Agricultural Law.

DIXON'S LAW OF THE FARM, including Agricultural Customs, by A. J. Spencer. Demy 8vo. 5th ed. 1892. Clowes, 26s.

ELEMENTS OF AGRICULTURAL LAW, by A. P. Higgins. Cr. 8vo. 2nd ed. 162 pp. 1901. Vinton, 3s. 6d.

Agricultural Rates Act.

AGRICULTURAL RATES ACT, 1896, with Notes by W. C. Ryde, M.A. Cr. 8vo. 2nd ed. 1896. Shaw & Sons, 4s. limp.

AGRICULTURAL RATES ACT, 1896, with notes, by S. Wright. Cr. 8vo. 68 pp. 1896. *Estates Gazette*, 2s. 6d. boards.

Bee-keeping.

A B C OF BEE CULTURE, by A. I. Root (U.S.A.). Royal 8vo. 474 pp. Plates and illus. 1901. Kegan Paul, 6s. 6d.

BEE-KEEPER'S GUIDE, by A. J. Cook (U.S.A.). Large cr. 8vo. 16th ed. 452 pp. 222 illus. Kegan Paul, 7s. 6d.

BEE-KEEPING FOR BEGINNERS, by W. Chitty. Cr. 8vo. 96 pp. 1903. Paul, 1s. 6d.

BEEES FOR PLEASURE AND PROFIT, by G. G. Samson. Cr. 8vo. 2nd ed. 1901. Lockwood, 1s.

BOOK OF BEE-KEEPING, by W. B. Webster. Cr. 8vo. 2nd ed. 103 pp. illus. 1901. Upcott Gill, 1s. paper.

BOOK OF THE HONEY BEE, by C. Harrison. Cr. 8vo. 144 pp. illus. 1903. Lane, 2s. 6d.

BRITISH BEE-KEEPER'S GUIDE Book, by T. W. Cowan. 12mo. 18th ed. 180 pp. 88 illus. 1904. Houlston, 2s. 6d.

HIVE AND THE HONEY BEE, by Langstroth (U.S.A.). Large cr. 8vo. 530 pp. 19 Plates. 196 illus. 1890. Kegan Paul, 9s.

HONEY BEE: its Nature, Homes and Products, by W. H. Harris, B.A. Cr. 8vo. 82 illus. R. T. S., 5s.

LIFE OF THE BEE, trans. from M. Maeterlinck. Cr. 8vo. 352 pp. 1901. G. Allen, 5s.

PLEASURABLE BEE-KEEPING, by C. N. White. Cr. 8vo. E. Arnold, 2s. 6d.

RATIONAL BEE-KEEPING, trans. from German of Dr. Dzierzon. Cr. 8vo. 350 pp. illus. 1882. Houlston, 2s. 6d.

Cattle—Live Stock.

AGRICULTURAL ZOOLOGY, by Dr. J. Ritzema Bos, trans. by J. R. Ainsworth Davis. Cr. 8vo. 2nd ed. 312 pp. 155 illus. 1900. Methuen, 3s. 6d.

ANIMAL BREEDING, by T. Shaw. Cr. 8vo. 1902. Kegan Paul, 7s. 6d.

BEST BREEDS OF BRITISH STOCK: Guide for Farmers and Owners of Live Stock in England and Colonies, by J. P. Sheldon and J. Long. Med. 8vo. 130 pp. 1898. Thacker, 2s. 6d.

CATTLE AND CATTLE BREEDERS, by W. M'Combie. Cr. 8vo. 4th ed. 158 pp. 1886. Blackwood, 3s. 6d.

CATTLE: BREEDS AND MANAGEMENT, by W. Housman and W. Axe. Demy 8vo. 2nd ed. 272 pp. 33 illus. 1900. Vinton, 3s. 6d.

CATTLE, SHEEP AND PIGS OF GREAT Britain. Breeds: Their History and Management, ed. by J. Coleman. Demy 8vo. 491 pp. Plates. 1887. Horace Cox, 12s. 6d.

COMPLETE GRAZIER AND FARMER'S and Cattle Breeder's Assistant, by W. Youatt, ed. by W. Fream. Imp. 8vo. 14th ed. 1100 pp. 450 illus. 1900. Lockwood, 31s. 6d.

COW - KEEPING IN INDIA, by I. Tweed. Cr. 8vo. 2nd ed. 287 pp. 40 illus. 1900. Thacker, 6s.

FARM LIVE STOCK OF GREAT Britain, by R. Wallace. Demy 8vo. 3rd ed. 374 pp. 79 Plates. 1893. Lockwood, 12s. 6d.

JERSEY CATTLE: Their Feeding and Management. Demy 8vo. 112 pp. 1903. Vinton, 3s. 6d.

LIVE STOCK, by W. T. Carrington, etc. Cr. 8vo. 4th ed. 156 pp. illus. Vinton, 2s. 6d.

LIVE STOCK IN HEALTH and Disease: Breeding and Management of Horses, Cattle, Sheep, Goats, Pigs and Poultry, ed. by Prof. J. Prince-Sheldon. Cassell, in parts 1s. each.

MANUAL OF CATTLE FEEDING, by H. P. Armsby. 12mo. 526 pp. Wiley, N.Y., \$1.75.

SHORTHORN CATTLE, by A. H. Sanders. 8vo. 872 pp. 92 illus. 1 Plate. Vinton, 15s.

STUDY OF BREEDS OF CATTLE, Sheep and Swine, by T. Shaw (U.S.A.). Cr. 8vo. 371 pp. illus. 1901. Gay & Bird, 7s. 6d.

Pigs.

PIG-KEEPING FOR PROFIT, by W. J. Malden. Cr. 8vo. 120 pp. 1896. Kegan Paul, 2s. 6d.

PIGS: BREEDS AND MANAGEMENT, by S. Spencer, including Diseases and Bacon Curing. Demy 8vo. 2nd ed. 180 pp. 20 illus. 1898. Vinton, 3s. 6d.

THE PIG: HOW TO CHOOSE, BREED, Rear, Keep and Cure, by S. Sidney. Cr. 8vo. 151 pp. Plates. Routledge, 1s.

Cattle—Live Stock, continued.**Sheep.**

SHEEP : BREEDS AND MANAGEMENT, by J. Wrightson. Demy 8vo. 3rd ed. 236 pp. 23 Illus. 1898. Vinton, 3s. 6d.

SHEEP RAISING AND SHEPHERDING, by W. J. Malden. Cr. 8vo. 160 pp. Plates and 30 Illus. 1899. Upcott Gill, 3s. 6d.

SHEEP : STRUCTURE, ECONOMY AND Diseases, by W. C. Spooner. Cr. 8vo. 5th ed. Illus. Lockwood, 3s. 6d.

(For Veterinary Books on Live Stock see section 69.)

Crops—Soils.

BEST FORAGE PLANTS : Their Cultivation, Economic Value, Impurities and Adulterants, trans. from F. G. Stebler and C. Schröter. 4to. 171 pp. 30 col. Plates. 1887. D. Nutt, 12s. 6d.

DISEASES OF CROPS AND THEIR Remedies, by G. B. Griffiths. Cr. 8vo. 173 pp. 51 Illus. 1890. Bell, 2s. 6d.

FALLOW AND FODDER CROPS, by J. Wrightson. Large cr. 8vo. 276 pp. 1889. Chapman & Hall, 5s.

FARM CROPS, for Students, by J. Wrightson, M.R.A.C. Cr. 8vo. 224 pp. 79 Illus. 1893. Cassell, 2s. 6d.

FORAGE CROPS OTHER THAN Grasses : How to Cultivate, Harvest and Use Them, by T. Shaw (U.S.A.). Cr. 8vo. 287 pp. Illus. 1901. Gay & Bird, 5s.

GUIDE TO SCIENTIFIC EXAMINATION of Soils, by F. Wahnschaffe, trans. by W. T. Braunt. Cr. 8vo. 177 pp. Illus. 1892. Baird, Philadelphia, \$1.50.

HOW CROPS FEED, by S. W. Johnson, M.A. (U.S.A.). Cr. 8vo. 375 pp. 1899. Kegan Paul, 10s.

HOW CROPS GROW, by S. W. Johnson, M.A. (U.S.A.). Cr. 8vo. 2nd ed. 416 pp. 69 Illus. 1900. Kegan Paul, 10s.

SOILING CROPS AND THE SILO, by T. Shaw (U.S.A.). Cr. 8vo. 366

pp. Illus. 1900. Gay & Bird, 7s. 6d.

SOILS AND THEIR PROPERTIES, by W. Fream. Small post 8vo. 160 pp. 21 Illus. 1 Plate. Bell, 2s. 6d.

SPRAYING CROPS : Why, When and How, by C. M. Weed, D.Sc. (U.S.A.). Post 8vo. 2nd ed. 130 pp. 40 Illus. 1894. Kegan Paul, 1s. 6d. paper.

THE CROPS, by T. Bowick, etc. Cr. 8vo. 7th ed. 150 pp. Vinton, 2s. 6d.

Dairy Chemistry.

BACTERIA IN MILK AND ITS PRODUCTS, by H. W. Conn. (U.S.A.). Cr. 8vo. 1903. Rebman, 6s.

BUTTER : ITS ANALYSIS AND ADULTERATIONS, Specially Treating on the Detection and Determination of Foreign Fats, by O. Hehner and A. Angell. Post 8vo. 2nd ed. 86 pp. 1 Illus. 1877. Churchill, 3s. 6d.

CHEMICAL AND PHYSICAL ANALYSIS of Milk : Condensed Milk and Infants' Milk Food, by N. Gerber. 8vo. Van Nostrand, N.Y., \$1.25.

CHEMISTRY OF DAIRYING, by H. Synder, B.Sc. (U.S.A.). Sq. cr. 8vo. 156 pp. 1897. Gay & Bird, 7s. 6d.

DAIRY BACTERIOLOGY : Manual for Students, trans. from Ed. von Freudenreich. Cr. 8vo. 2nd ed. 115 pp. 1895. Methuen, 2s. 6d.

DAIRY CHEMISTRY, for Dairy Managers, Chemists and Analysts, by H. D. Richmond. Large 8vo. 384 pp. 22 Illus. 1899. Griffin, 16s.

MILK ANALYSIS : Examination of Milk, Cream, Butter and Cheese, by J. A. Wanklyn, M.R.C.S. Cr. 8vo. 2nd ed. 76 pp. Illus. 1886. Kegan Paul, 5s.

MILK : ITS NATURE AND COMPOSITION, by C. M. Aikman, M.A., D.Sc. Cr. 8vo. 2nd ed. 180 pp. 21 Illus. 1899. A. & C. Black, 3s. 6d.

PASTEURISATION AND STERILISATION of Milk, by A. E. Bell. 16mo. 36 pp. 13 Illus. 1899. Rebman, 1s. 6d.

Dairy and Dairy Work.

BRITISH DAIRY FARMING, also Chief Continental Systems, by J. Long. Large cr. 8vo. 503 pp. 1885. Chapman & Hall, 9s.

BOOK OF THE DAIRY, trans. from W. Fleischmann. Demy 8vo. 344 pp. 85 illus. 1896. Blackie, 10s. 6d.

BRITISH DAIRYING, for Students, by J. P. Sheldon. Cr. 8vo. 2nd ed. illus. Lockwood, 2s. 6d.

CHEESE AND BUTTER-MAKING, for Students, by J. Oliver and M. Barron. Cr. 8vo. 80 pp. 52 illus. Bemrose, 1s.

CHEESE AND CHEESE-MAKING, Butter and Milk, including Continental Fancy Cheeses, by J. Long and J. Benson. Cr. 8vo. 150 pp. 1896. Chapman & Hall, 3s. 6d.

ECONOMICS IN DAIRY FARMING, by E. Mathews. Royal 8vo. 80 pp. 1903. Newnes, 7s. 6d.

ELEMENTS OF DAIRY FARMING, for Elementary Students, by J. Long. Gl. 8vo. 208 pp. 17 illus. Collins, 2s.

FARM AND THE DAIRY, by J. P. Sheldon. Cr. 8vo. 160 pp. 18 illus. 1900. Bell, 2s. 6d.

HANDBOOK FOR FARMERS AND DAIRYMEN, by F. W. Woll (U.S.A.). Cr. 8vo. Chapman, 6s. 6d.

MANUAL OF DAIRY WORK, by Jas. Muir. Post 8vo. 93 pp. 1893. Macmillan, 1s.

MILK AND ITS PRODUCTS: Nature and Qualities of Dairy Milk and the Manufacture of Butter and Cheese, by H. H. Wing. Gl. 8vo. 3rd ed. 311 pp. 37 illus. 1900. Macmillan, 4s.

MILK, CHEESE AND BUTTER: Their Properties and Processes of Production, by J. Oliver. Cr. 8vo. 362 pp. 218 illus. 2 Plates. 1894. Lockwood, 7s. 6d.

MILK: ITS PRODUCTIONS AND USES, by G. T. Wilson. Cr. 8vo. 270 pp. 1903. Griffin, 6s.

PRACTICAL DAIRY HUSBANDRY, by X. A. Willard. 8vo. illus. Kegan Paul, 15s.

PRINCIPLES OF MODERN DAIRY PRACTICE, from a Bacteriological point of view, by G. Grotenfelt (U.S.A.), trans. by F. W. Woll. Cr. 8vo.

3rd ed. 286 pp. 29 illus. 1899. Chapman, 10s. 6d.

THE DAIRY, by J. Long and J. C. Morton. Cr. 8vo. 4th ed. 148 pp. Vinton, 2s. 6d.

Farming.

BOOK OF THE FARM, rewritten by J. Macdonald. 4th ed. 1891. Vol. I. 532 pp. Vol. II. 520 pp. Vol. III. 526 pp. Total of 744 illus. Blackwood & Sons, 63s.

ELEMENTS OF FARMING, by P. McConnell. 148 pp. 1896. Vinton, 2s. 6d.

FARMERS' AND MECHANICS' MANUAL, ed. by G. E. Waring, Jr. 576 pp. 632 illus. E. B. Treat & Co., N.Y., \$3.

FARMER'S HARVEST COMPANION and Country Gentleman's Assistant, by T. Jarvis. Cr. 8vo. 224 pp. 1903. Simpkin, 3s. 6d.

FARMERS' OWN BOOK, by S. O. Beeton. Cr. 8vo. 632 pp. 210 illus. Ward, Lock, 3s. 6d.

FARMING INDUSTRIES OF CAPE COLONY, by R. Wallace. Demy 8vo. 552 pp. 92 illus. 81 Plates. 14 Maps. 1896. P. S. King, 10s. 6d.

FARM WORKMAN'S TECHNICAL INSTRUCTOR, by W. J. Malden. Cr. 8vo. 2nd ed. 166 pp. illus. 1896. Vinton, 2s. 6d.

FOREIGNER IN THE FARM YARD, by E. E. Williams. Cr. 8vo. 176 pp. 1897. Heinemann, 2s. 6d.

NOTE-BOOK OF AGRICULTURAL FACTS AND FIGURES, for Farmers and Students, by P. McConnell, B.Sc. 12mo. 6th ed. 468 pp. 1898. Lockwood, 6s.

OUTLINES OF MODERN FARMING, by R. S. Burn. 6th ed. 1250 pp. Lockwood, 12s.

PRACTICAL FARM DRAINAGE, by C. G. Elliott. 12 mo. 1903. Wiley, N.Y., \$1.

SMALL FARM AND ITS MANAGEMENT, by J. Long. Cr. 8vo. 285 pp. 1901. Smith, Elder, 6s.

SYSTEMATIC SMALL FARMING, by R. S. Burn. Cr. 8vo. Lockwood, 6s.

TABLES FOR MEASURING AND MANURING LAND AND THATCHERS' WORK, by J. Cullyer. 18mo. 18th ed. 150 pp. Whittaker, 2s. 6d.

Farming, continued.

TABLES AND MEMORANDA, for Farmers, Graziers and Agricultural Students, by S. Francis. 5th ed. 272 pp. Lockwood, 1s. 6d.

Farm Buildings and Implements.

BARN IMPLEMENTS AND MACHINES, by Prof. J. Scott. Cr. 8vo. 123 illus. 1884. Lockwood, 2s.

FARM BUILDINGS AND ECONOMIC Agricultural Appliances, by W. J. Malden. Small cr. 8vo. 192 pp. Illustrated. 1896. Paul, 5s.

FARM BUILDINGS, by Prof. J. Scott. Cr. 8vo. 1884. Lockwood, 2s.

FARM APPLIANCES, by G. A. Martin. Cr. 8vo. 1903. Kegan Paul, 2s. 6d.

TILLAGE AND IMPLEMENTS, by W. J. Malden. Cr. 8vo. 156 pp. 48 illus. 1891. Bell, 2s. 6d.

Farm Book - keeping, Insurance, Surveying and Valuing.

AGRICULTURAL ACCOUNTS (including Income-Tax), by T. W. Meats. Demy 8vo. 114 pp. 1901. Gee & Co., 5s.

AGRICULTURISTS' CALCULATOR; 46 Tables for Land Measuring, Drainage, Manuring, Weight of Hay, Cattle, etc. Fep. 8vo. 590 pp. Blackie, 9s.

AGRICULTURAL INSURANCE, in Organic Connection with Savings Banks, Land Credit, and the Commutation of Debts, trans. from German of P. Mayet. Demy 8vo. 388 pp. Tables. 1893. Sonnenschein, 10s. 6d.

AGRICULTURAL SURVEYOR AND Estate Agent's Handbook, by T. Bright. Fep. 8vo. 420 pp. 1899. Lockwood, 7s. 6d.

AGRICULTURAL VALUER'S ASSISTANT, by T. Bright. 4th ed. 240 pp. 1901. Lockwood, 6s.

BOOK-KEEPING FOR FARMERS AND Estate Owners, by J. M. Woodman. Cr. 8vo. 4th ed. 1902. Lockwood, 2s. 6d.

FARM ACCOUNTS, and Matters Relating Thereto, paper by J. M. Woodman. Cr. 8vo. 23 pp. 1897. Gee, 1s. paper.

FARM BOOK - KEEPING, by W. Inglis. Cr. 8vo. 39 pp. Chambers, 6d. sewed.

FARM REGISTER FOR TENANTS' Vouchers and Improvements, by a Practical Expert. Obl. 4to. 2nd ed. 1902. Simpkin, 2s.

LOXLEY'S IMPROVED FARMERS' Account Book. Obl. 4to. Houlston, 3s. 6d.

NOTES ON THE VALUATION OF Agricultural Tenant-Right, by G. S. Mitchell. Cr. 8vo. 84 pp. 1900. *Estates Gazette*, 3s. 6d.

Feeding Animals, Pastures.

CONVERSION OF ARABLE LAND TO Pasture, by W. J. Malden. Small cr. 8vo. 190 pp. 1898. Kegan Paul, 3s. 6d.

FARM FOODS; OR THE RATIONAL Feeding of Farm Animals, trans. from Prof. E. von Wolff. Post 8vo. 6th ed. 365 pp. 1895. Gurney & J., 8s. 6d.

FEEDING OF ANIMALS, by W. H. Jordan (U.S.A.). Gl. 8vo. 450 pp. 1901. Macmillan, 5s.

FEEDS AND FEEDING, for the Farm, by W. A. Henry (U.S.A.). Large 8vo. 3rd ed. 660 pp. 1901. Vinton, 10s.

GRASSES: Handbook for use in Field and Laboratory, by H. M. Ward. Cr. 8vo. 198 pp. 1901. C. J. Clay, 6s.

HAY AND STRAW MEASURER, by J. Steele. Cr. 8vo. Lockwood, 2s.

PERMANENT AND TEMPORARY PASTURES, by M. J. Sutton. Royal 8vo. Illus. with 23 varieties of Natural Grasses, Clovers, etc., and containing 46 Analyses of Grasses, etc., by Dr. J. A. Voelcker. 21s. With Illus. and Analyses, 1s. Simpkin.

PRINCIPLES OF ANIMAL NUTRITION, with Special Reference to the Nutrition of Farm Animals, by H. P. Armsby, Ph.D. 8vo. 614 pp. 1903. Wiley, N.Y., 84.

Ferrets, Goats, Hares, Rabbits.

FERRETS AND FERRETING, by W. Carnegie. Cr. 8vo. 3rd ed. 70 pp. 1902. Upcott Gill, 1s.

BOOK OF THE GOAT: Various Breeds and their Profitable Manage-

ment, by H. S. H. Pegler. 3rd ed. 222 pp. 8 Plates. 1886. Upcott Gill, 4s. 6d.

STANDARD BELGIAN HARE MANUAL, compiled by G. F. Hall. 12mo. 35 illus. 1901. Laird & Lee, Chicago, 75c.

BOOK OF THE RABBIT AND RABBIT Farming, ed. by K. W. Knight. Demy 8vo. 2nd ed. 480 pp. 45 illus. 1889. Upcott Gill, 10s. 6d.

PRACTICAL RABBIT-KEEPER, by "Cuniculus". Cr. 8vo. 212 pp. 25 illus. Cassell, 3s. 6d.

(Dogs. See section 17).

(Flowers. See section 27.)

Forestry.

BRITISH FOREST TREES AND their Sylvicultural Characteristics and Treatment, by J. Nisbet. Cr. 8vo. 352 pp. 1893. Macmillan, 6s.

BRITISH TREES, by S. Tollemache, B.A. Roy. 8vo. 31 plates. 1901. Sampson Low, 14s.

ECONOMICS OF FORESTRY, by B. E. Fernow. 8vo. 520 pp. 1902. T. Y. Crowell & Co., N.Y., \$1.50.

ELEMENTS OF FORESTRY, by F. B. Hough, Large cr. 8vo. 1883. Lockwood, 10s.

FORESTRY IN THE UNITED KINGDOM, by W. Schlich. 76 pp. 1904. Bradbury, Agnew, 2s.

HANDBOOK OF TREES OF NEW England, by L. L. Dane and H. Brooks (U.S.A.). Cr. 8vo. 196 pp. illus. Ginn, 6s. 6d.

MANUAL OF FOREST ENGINEERING for India, by C. G. Rogers. Vol. II. 256 pp. 118 illus. 1902. Office of Public Printing, Calcutta, 6s.

MANUAL OF FORESTRY SYLVICULTURE, by W. Schlich. Royal 8vo. 3rd ed. 400 pp. 87 illus. 1904. Bradbury, Agnew, 8s.

NEW FORESTRY, OR CONTINENTAL System adapted to British Woodlands, by J. Simpson. Demy 8vo. 200 pp. illus. 1903. Pawson & Brailsford, Sheffield, 15s.

POLE PLANTATIONS AND UNDERWOODS, by T. Bright. Cr. 8vo. Lockwood, 3s. 6d.

PRACTICAL FORESTRY, by A. D. Webster. Demy 8vo. 3rd ed. 208 pp. illus. 1894. Rider, 5s.

PRACTICAL FORESTRY, AND ITS bearing on the Improvement of Estates, by C. E. Curtis. Cr. 8vo. 2nd ed. 132 pp. 1898. Crosby Lockwood, 3s. 6d.

PRUNING BOOK, by L. H. Bailey, U.S.A. Gl. 8vo. 2nd ed. 544 pp. 331 illus. 1899. Macmillan, 5s.

STUDIES IN FORESTRY, Lectures on Sylviculture, by J. Nisbet. Cr. 8vo. 330 pp. 1894. Frowde, 6s.

TIMBER: Comprehensive Study of Wood in all its Aspects (Commercial and Botanical), trans. from French of P. Charpentier. Roy. 8vo. 437 pp. 178 illus. 1902. Scott, Greenwood, 12s. 6d.

TREE PLANTER, PROPAGATOR AND Pruner, by S. Wood. Cr. 8vo. Lockwood, 3s. 6d.

TREE PRUNING: Treatise on Pruning Forest and Ornamental Trees, trans. from French of Count des Cars. Cr. 8vo. 64 pp. 54 illus. 1893. Rider, 2s. 6d.

TREES AND SHRUBS FOR ENGLISH Gardens, by C. T. Cook. Roy. 8vo. 482 pp. 1902. Newnes, 12s. 6d.

(Timber. See section 68.)

Fruit Growing.

AMERICAN FRUIT CULTURIST, by J. J. Thomas (U.S.A.). Cr. 8vo. 758 pp. 800 illus. Gay & Bird, 12s. 6d.

ART OF GRAFTING AND BUDDING, by C. Baltet. Cr. 8vo. 1882. Lockwood, 2s. 6d.

BOOK OF PEARS AND PLUMS, by L. Bartrum. Cr. 8vo. 108 pp. 1902. Lane, 2s. 6d.

BOOK OF THE APPLE, with Chapters on History, Cookery and Preparation of Cider, by H. H. Thomas. Cr. 8vo. 124 pp. 1902. Lane, 2s. 6d.

BOOK OF THE PEACH, by H. W. Ward. Cr. 8vo. 128 pp. 1903. W. Scott, 2s. 6d.

BOOK OF THE STRAWBERRY, with Chapters on the Raspberry, Blackberry, etc., by E. Beckett. Cr. 8vo. 1902. J. Lane, 2s. 6d.

Fruit Growing, continued.

CALIFORNIA FRUITS AND HOW TO Grow Them, by E. J. Wickson, M.A. (U.S.A.). Demy 8vo. 3rd ed. 477 pp. Plates and Illus. 1900. Kegan Paul, 12s. 6d.

CULTURE OF FRUIT AND VEGETABLES, by G. Glenny. Cr. 8vo. 5th ed. 380 pp. 1878. Houlston, 5s. 6d.

FRUITS AND FRUIT TREES OF America. Culture and Management of Fruit Trees generally, by C. Downing. 8vo. Illus. Kegan Paul, 25s.

FRUIT CULTURE FOR AMATEURS, by S. T. Wright. Cr. 8vo. 2nd ed. 244 pp. 58 Illus. 1898. Upcott Gill, 3s. 6d.

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FRUIT HARVESTING, STORING AND Marketing, by F. A. Waugh (U.S.A.). 12mo. 1902. Paul, 5s.

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(Gardening. See section 27.)

(Horses. See section 31.)

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(See also **Agricultural Chemistry** above.)

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FARM POULTRY, for Farmer and Amateur, by G. C. Watson (U.S.A.). Gl. 8vo. 342 pp. 1901. Macmillan, 5s.

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(Arbitration. See section 40.)

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(STRAINS AND STRESSES. See Engineering, section 21, p. 102.)

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ARCHITECTS' AND BUILDERS' PRICE BOOK, with useful Memoranda and Tables, by W. Young, ed. by C. Young. Cr. 8vo. Annual. 12mo. 420 pp. Spon, 3s. 6d.

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(See also p. 18.)

Bricklaying, Plastering.

BRICKLAYING, by O. B. Maginnis. 8vo. 86 pp. 1901. Whittaker, 10s.

BRICKLAYING. Cr. 8vo. 1901. Dicks, 6d. paper.

BRICKLAYING AND BRICKCUTTING, by H. W. Richards. Demy 8vo. 152 pp. 1901. Longmans, 3s. 6d.

DRAWING FOR BRICKLAYERS, by E. A. Davidson. Cr. 8vo. 102 pp. 34 Plates. 1898. Cassell, 3s.

PRACTICAL BRICK AND TILE BOOK, by E. Dobson and A. Hammond. Cr. 8vo. 550 pp. 270 Illus. Lockwood, 6s.

PLASTERING. Cr. 8vo. 1902. Dicks, 6d.

SCAFFOLDING, by J. Black. Cr. 8vo. 90 pp. 1901. Dicks, 6d.

STONEMASON AND BRICKLAYER. Large cr. 8vo. 271 pp. 224 Illus. 11 Plates. 1891. Ward, Lock, 5s.

(Brickmaking. See section 55.)

Building Construction.

ADVANCED BUILDING CONSTRUCTION, for Students. Cr. 8vo. 255 pp. 360 Illus. 5 Plates. 1899. Longmans, 4s. 6d.

BOOKKEEPING FOR BUILDERS, for small businesses. Cr. 8vo. 37 pp. 1903. Davis, 18 Ironmonger Lane, London, 1s.

BUILDERS' ACCOUNTS, by J. A. Walbank, A.C.A. Demy 8vo. 75 pp. 1901. Gee, 3s. 6d.

BUILDERS' BOOKKEEPING, by S. Saker. Cr. 8vo. 2nd ed. 120 pp. 1895. Simpkin, 3s. 6d.

BUILDER'S CLERK, MANAGEMENT of a Builder's Business, by T. Bales. Fcp. 8vo. 2nd ed. Spon, 1s. 6d.

BUILDER'S WORK AND THE BUILDING TRADES, by H. C. Seddon. Med. 8vo. 3rd ed. 360 pp. 287 Illus. 1897. Longmans, 16s.

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BUILDING CONSTRUCTION: KEY to Examinations of Science and Art Department, by H. Adams. Cr. 8vo. 244 pp. 330 Illus. 1894. Chapman & Hall, 4s.

BUILDING CONSTRUCTION, for Students, First Stage, by B. Cunningham. Cr. 8vo. 240 pp., 420 Ill. 2nd ed. 1904. Clive, 2s. 6d.

BUILDING CONSTRUCTION FOR BEGINNERS, by J. W. Riley. Gl. 8vo.

255 pp. 623 Illus. 1901. Macmillan, 2s. 6d.

BUILDING CONSTRUCTION AND Drawing, for Elementary Students, by C. F. Mitchell. Cr. 8vo. 6th ed. 402 pp. 950 Illus. 1903. Batsford, 3s.

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BUILDING CONSTRUCTION AND Superintendence, by F. E. Kidder (U.S.A.). 3 vols. Vol. I. Mason's Work. Large 8vo. 421 pp. 250 Illus. 6th ed. 1904. 20s. Vol. II. Carpenter's Work. Imp. 8vo. 4th ed. 544 pp. 500 Illus. 1904. 20s. Vol. III. Heavy Framing for Warehouses, Factories, etc. 1902. Gay & Bird.

BUILDING SPECIFICATIONS, for Architects, Builders, etc., by J. Leaning. Large 8vo. 600 pp. 150 Illus. 1901. Batsford, 18s.

BUILDING SUPERINTENDENCE, by T. M. Clark (U.S.A.). Fcp. 4to. 12th ed. 1903. Macmillan, 12s. 6d.

CARPENTERS' AND BUILDERS' COMPLETE Companion. Imp. quarto. J. S. Ogilvie Pub. Co., N.Y., \$2.

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DETAILS OF BUILDING CONSTRUCTION, by C. A. Martin. 10 x 12½. 33 Plates of Scale Drawings. Comstock, N.Y., \$2.

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HOW TO BUILD A HOME, by F. C. Moore. Cr. 8vo. 158 pp. Illus. Doubleday, Page & Co., N.Y., \$1.

HOW TO FRAME A HOUSE OR Balloon and Roof Framing, by O. B. Maginnis. 8vo. 85 Illus. Baird, Philadelphia, \$1.

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PRINCIPLES AND PRACTICE OF Modern House Construction, including Plumbing, Drainage, Ventilation, etc., ed. by G. L. Sutcliffe. Demy 4to. 6 divisions 8s. each. 700 Illus. Gresham Pub. Co.

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Building Construction, continued.

RUDIMENTS OF ART OF BUILDING, by E. Dobson. 12mo. 15th ed. 230 pp. 1901. Lockwood, 2s.

SCAFFOLDING, by A. G. H. Thatcher. Cr. 8vo. 202 pp. Illus. 1904. Batsford, 5s.

SCAMPING TRICKS AND ODD KNOWLEDGE Occasionally Practised upon Public Works, by J. Newman. Cr. 8vo. 129 pp. 1893. Spon, 2s. 6d.

Building Law.

CONDITIONS OF CONTRACT RELATING TO Building Works, by F. W. Macey. Roy. 8vo. 1902. Sweet & Maxwell, 15s.

ENGINEERING AND ARCHITECTURAL Jurisprudence: Law of Construction, by J. C. Wait (U.S.A.). 8vo. 1897. Chapman, 25s.

HANDY BOOK OF LAW CONCERNING Owner, Builder and Architect, by J. W. Smith. 12mo. 108 pp. 1895. E. Wilson, 1s. limp.

LAW OF BUILDING, ENGINEERING and Shipbuilding Contracts, by A. Hudson. 2 vols. 2nd ed. Waterlow, 50s.

LAW OF OPERATIONS PRELIMINARY to Construction, by J. C. Wait, LL.B. (U.S.A.). 8vo. 720 pp. Chapman, 21s.

LAW RELATING TO BUILDINGS, Building Leases and Building Contracts, by Judge Emden. 8vo. 3rd ed. 1895. Knight, 18s.

LONDON BUILDING ACT, 1894, with Notes, by W. F. Craies. Roy. 8vo. 1894. Stevens & Sons, 3s.

LONDON BUILDING ACTS, 1894-98, by Banister and Fletcher. Cr. 8vo. 3rd ed. 23 Col. Plates. 1901. Batsford, 6s. 6d.

TREATISE ON THE LAW OF BUILDING and Engineering Contracts and of the Duties and Liabilities of Engineers, Architects, Surveyors and Valuers, by A. A. Hudson. Roy. 8vo. 2nd ed. 2 vols. 1895. Clowes, 50s.

(See also **Property**, section 38.)

Building Materials.

HANDBOOK ON TESTING MATERIALS for the Constructor, by A. Martens,

trans. by G. C. Henning (U.S.A.). Demy 8vo. 2 vols. Vol. I. 622 pp. 1899. Vol. II. 240 pp. of Illus. 1899. Chapman, 31s. 6d.

INSPECTION OF THE MATERIALS and Workmanship Employed in Construction of Public and Private Work, by A. T. Byrne (U.S.A.). 12mo. 539 pp. 1898. Chapman, 12s. 6d.

MATERIALS OF CONSTRUCTION, by J. B. Johnson (U.S.A.). Roy. 8vo. 783 pp. 11 Plates. 635 Illus. 1897. Chapman, 25s.

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(Also **Materials of Construction**. See **Engineering**, section 21).

Building Stones, Masonry.

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BUILDING AND ORNAMENTAL Stones of Wisconsin (Geol. Survey Bull.). 570 pp. 69 Maps. 1901. Wesley, 10s.

DRAWING FOR STONEMASONS, by E. A. Davidson. 12mo. 95 pp. 31 Plates 1899. Cassell, 3s.

MANUALS OF GOTHIC ORNAMENT. Vol. I. Stone Carving. Vol. II. Moulding. Vol. III. Surface Ornament. 16mo. J. Parker & Co., 1s.

MARBLE WORKER'S MANUAL, trans. from French by M. L. Booth. 12mo. 254 pp. Baird, Philadelphia, \$1.50.

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REPORT ON THE STRENGTH OF THE Building Stones in the United States, by Q. A. Gillmore. 8vo. Illus. Van Nostrand, N.Y., \$1.

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STONE: HOW TO GET IT AND HOW to Use It, for Students, by Maj.-Gen. C. E. Luard. 8vo. Spon, 2s.

STONES FOR BUILDING AND DECORATION, by G. P. Merrill (U.S.A.). Demy 8vo. 2nd ed. 506 pp. 11 Plates. 1897. Chapman, 21s.

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TREATISE ON ORNAMENTAL AND Building Stones of Great Britain and Foreign Countries, by E. Hull. Demy 8vo. 333 pp. Plates. 1872. Macmillan, 12s.

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CALCAREOUS CEMENTS: Their Nature, Preparation and Uses, by G. R. Redgrave. Large cr. 8vo. 238 pp. 25 Illus. 1895. Griffin, 8s. 6d.

CEMENT USERS' AND BUYERS' Guide, by Calcare. 32mo. 1901. Spon, 2s. 6d.

CHEMICAL AND PHYSICAL EXAMINATION of Portland Cement, by R. K. Meade. 183 pp. 1902. Chem. Pub. Co., Easton, Pa., \$1.

CONCRETE: ITS NATURE AND Uses, by G. L. Sutcliffe, A.R.I.B.A. 346 pp. 58 Illus. 1893. Lockwood, 7s. 6d.

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NOTES ON CONCRETE AND WORKS in Concrete, by J. Newman. Cr. 8vo. 2nd ed. 150 pp. Spon, 6s.

PORTLAND CEMENT FOR USERS, by H. Faija. Cr. 8vo. 3rd ed. Lockwood, 2s.

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BUILDER'S, ARCHITECT'S, CONTRACTOR'S and Engineer's Price Book, Annual, ed. by T. W. Miller. Cr. 8vo. 1903. Lockwood, 4s.

BUILDERS' GUIDE AND ESTIMATORS' Price Book, by F. T. Hodgson. 12mo. Ogilvie Pub. Co., N.Y., \$2.

BUILDERS' GUIDE: ESTIMATING Materials and Labour, by J. P. Hicks. Gl. 8vo. 160 pp. 114 illus. D. Williams Co., N.Y., \$1.

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CONTRACTORS' MERCHANTS' and Estate Managers' Compendium, Annual (April). Demy 4to. 470 pp. Compendium Pub. Co., 10s. 6d.

DIRECTORY OF THE BUILDING Trades, Kelly's. Roy. 8vo. 9th ed. 1902. Kelly's, 30s.

ESTIMATING FRAME AND BRICK Houses, by F. T. Hodgson. Cr. 8vo. 147 pp. illus. D. Williams Co., \$1.

ESTIMATING : METHOD OF PRICING Builders' Quantities for Competitive Work, by G. Stephenson. Cr. 8vo. 5th ed. 176 pp. 1903. Batsford, 4s. 6d.

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QUANTITIES AND QUANTITY TAKING, for Building Students, by W. E. Davis. Cr. 8vo. 3rd ed. 180 pp. 1904. Whittaker, 3s. 6d.

SPECIFICATION, Annual. 4to. 700 pp. *Builders' Journal*, 5s.

SPECIFICATIONS, by W. F. Bower. 2nd ed. 4to. 240 pp. Comstock, New York, \$5.

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TECHNICAL GUIDE, MEASURE and Estimator for Builders and Surveyors, by A. C. Beaton. 9th ed. Lockwood, 1s. 6d.

(See also p. 14.)

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FIRE AND EXPLOSION RISKS FROM Chemico-Technical Substances and Establishments, by Dr. vonSchwartz. Roy. 8vo. 380 pp. 1904. Griffin, 16s.

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THEATRE FIRES AND PANICS : Their Causes and Prevention, by W. P. Gerhard (U.S.A.). Cr. 8vo. Chapman, 6s. 6d.

(Insurance. See section 36.)

Foundations, Shoring.

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(Heating. See section 54.)

(House Painting and Decorating. See section 33.)

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LIGHTNING CONDUCTORS AND LIGHTNING GUARDS. Protection of Buildings, Telegraph Instruments,

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(Property, Land. Section 38.)

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PHOTOGRAPHY FOR THE PRESS. Imp. 8vo. 1901. Dawbarn, 1s. limp.

PRACTICAL HALF-TONE AND TRI-color Engraving, by Austin. Professional Photographer Pub. Co., Buffalo, N.Y., \$2.

PROCESS YEAR BOOK. Illustrated Review of Graphic Arts, ed. by W. Gamble. Imp. 8vo. Annual. Penrose & Co., 3s. 6d.

REPRODUCTION TABLES FOR PHOTO-GRAPHIC Processes, by W. L. McNay. 16mo. 27 pp. 1903. Penrose, 6d.

ZINCOGRAPHY: or Process Block Making, by J. Bock. Cr. 8vo. 5th ed. 56 pp. Illus. Menken, 2s. 6d.

Publishing.

CONTRACT OF PUBLICATION IN Germany, Austria-Hungary and Switzerland, by E. Lunge. Society of Authors, 2s. 6d.

FORMS OF AGREEMENT ISSUED BY Publishers' Association, with Comments, by G. H. Thring. 2nd ed. Society of Authors, 1s.

Publishing, continued.

PUBLISHERS' ACCOUNTS, by C. E. Allen. Demy 8vo. 127 pp. 1897. Gee, 2s. 6d.

Stationery.

DIRECTORY OF STATIONERS, Printers, Booksellers, Publishers and Paper Makers of British Isles. 9th ed. 1904. Kelly's, 25s.

PRINTERS' AND STATIONERS' READY Reckoner and Compendium, compiled by V. Graham. Cr. 8vo. 1904. Scott, Greenwood.

STATIONERS' HANDBOOK AND Guide to the Paper Trade. Cr. 8vo. 18th ed. 141 pp. Simpkin, 2s. 6d.

(Botany. See Gardening, section 27.)

SECTION 9.

BREWING AND DISTILLING.**Alcohol.**

ALCOHOL TABLES, giving the Specific Gravities, Percentages of Absolute Alcohol, by Weight and by Volume, and of Proof Spirit, by O. Hehner. Roy. 8vo. 21 pp. 1880. Churchill, 3s. 6d. boards.

MANUAL OF ALCOHOLIC FERMENTATIONS and Allied Industries, by C. G. Matthews. Cr. 8vo. 308 pp. Illus. 1902. E. Arnold, 7s. 6d.

NOTES ON ALCOHOL IN BRANDY, Whisky, Rum, by Sir W. Gilbey. 8vo. 1904. Vinton, 6s.

PRACTICAL TREATISE ON DISTILLATION and Rectification of Alcohol, by W. T. Brannt (U.S.A.). 8vo. 2nd ed. 105 Illus. 1904. Low, 21s.

TREATISE ON ALCOHOL, with Tables of Spirit Gravities, for Public Analysts, by T. Stevenson, M.D. Fcp. 8vo. 2nd ed. 73 pp. 1888. Gurney & J., 3s. 6d.

Brewing.

AMERICAN HANDY BOOK OF THE Brewing, Malting and Auxiliary Trades, by R. Wahl and M. Hennis. 8vo. Illus. 1901. W. T. Keener & Co., Chicago, \$10.

ARSENICAL POISONING IN BEER Drinkers, by T. N. Kelynack, M.D.,

M.R.C.P., and W. Kirkby. Large cr. 8vo. 126 pp. 16 Illus. 1901. Baillière, 3s. 6d.

BARLEY AND THE BEER DUTY, by H. Stopes. Cr. 8vo. 132 pp. Illus. 1901. Laughton, 1s. paper.

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BREWERY MANUAL OF BRITISH and Foreign Brewery Companies. Annual. *Country Brewers' Gazette*, 5s.

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TRIPP'S IMPROVED BREWING PRODUCE Book. Fcp. folio. Bemrose, 21s.

Fermentations, Mycology.

BRITISH FUNGUS FLORA. Text-book of Mycology, by G. Masse. 4 vols. Post 8vo. Illus. Vol. I. 432 pp. 1892. Vol. II. 448 pp. 1893. Vol. III. 510 pp. 1893. Vol. IV. 522 pp. 1893. Bell, 7s. 6d. each.

CHEMICAL CHANGES AND PRODUCTS Resulting from Fermentations, by R. H. A. Plimmer, D.Sc. 184 pp. 1903. Longmans, 6s.

FERMENTATION, by Prof. Schützenberger. Cr. 8vo. 4th ed. 330 pp. 28 Illus. 1891. Kegan Paul, 5s.

FERMENTATION ORGANISMS: a Laboratory Handbook, trans. from German of A. Klöcker. Demy 8vo. 412 pp. 146 illus. 1903. Longmans, 12s.

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SOLUBLE FERMENTS AND FERMENTATION, by J. R. Green, D.Sc., F.R.S. Demy 8vo. 2nd ed. 512 pp. 1901. Cambridge University Press, 12s.

TECHNICAL MYCOLOGY. Utilisation of Micro-Organisms in the Arts and Manufactures, trans. from Dr. Franz Lafar. 2 vols. Vol. I. Fermentation for Brewers, Analysts, Agricultural Chemists, etc. Large 8vo. 405 pp. 90 illus. Plate. 1898. 15s. Vol. II. Eunictic Fermentation. Part I. 8vo. 189 pp. 68 illus. 1903. Griffin, 7s. 6d.

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DIRECTORY OF WINE AND SPIRIT Trades. Roy. 8vo. 1902. Kelly's, 25s.

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TREATISE ON WINES: their Origin, Nature and Varieties, by J. L. W. Thudichum (Bohn's). Cr. 8vo. 387 pp. 52 illus. 1896. Bell, 5s.

WINE MAKER'S MANUAL, by C. Reemelin. 12mo. R. Clarke Co., Cincinnati, \$1.25.

SECTION 10.

CABINETMAKING.

Cabinetmaking.

ANCIENT AND MODERN FURNITURE, by J. W. Small. 4to. 1904. E. Mackay, 15s.

ART AND CRAFT OF CABINET Making, by D. Denning. Sq. cr. 8vo. 330 pp. 219 illus. 1891. Whittaker, 5s.

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ILLUSTRATED HISTORY OF FURNITURE from Earliest Times to Present Day, by F. Litchfield. Roy. 8vo. 5th ed. 290 pp. Illus. 1903. Truslove, 15s.

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(Foreign Money Exchange Tables, and Metric System. See section 25.)

SECTION 12.

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AMERICAN HOUSE CARPENTER, by R. G. Hatfield (U.S.A.). 8vo. 12th ed. Illus. Chapman, 21s.

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MODERN CARPENTRY, by F. T. Hodgson. Cr. 8vo. 193 pp. Illus. 1902. Drake & Co., Chicago, \$1.

General, continued.

MODERN PRACTICAL JOINERY : Joiners' Work by Hand and Machine, by G. Ellis. Imp. 8vo. 392 pp. 1000 Illus. 1902. Batsford, 12s. 6d.

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(Cabinetmaking. See section 10.)

(Timber. See section 70.)

(Turning. See below.)

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AMATEUR'S PRACTICAL GUIDE TO FRETWORK, WOOD CARVING, INLAYING, etc. Cr. 8vo. 184 pp. Simpkin, 2s. 6d.

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CHIP CARVING AS A RECREATION, by W. J. Smith. Cr. 8vo. 1903. Upcott Gill, 1s.

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FRET CUTTING AND PERFORATED CARVING, by W. Bemrose. 54 De-

signs. Demy 4to. 14th ed. Bemrose, 5s.

FRETWORK AND MARQUETRY, by D. Denning. Cr. 8vo. 158 pp. 68 Illus. 1895. Upcott Gill, 2s. 6d.

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MANUAL OF BUHL WORK AND MARQUETRY, by W. Bemrose. Demy 4to. 3rd ed. 32 pp. text. 13 coloured Plates. 1887. Bemrose, 6s.

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PRACTICAL WOOD CARVING, by C. J. Woodsend. Medium 8vo. 86 pp. 108 Illus. D. Williams Co., N.Y., \$1.

WOOD CARVING, for Learners, by C. G. Leland, M.A. Fcp. 4to. 4th ed. 164 pp. Illus. 1901. Whitaker, 5s.

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(Wood Engraving. See section 8.)

Picture Frames, Moulding, Turning.

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MOUNTING AND FRAMING PICTURES, ed. by P. N. Hasluck. Post 8vo. 160 pp. 240 Illus. 1900. Cassell, 1s.

PICTURE FRAMERS: WHAT TO Charge, by C. G. Engert, 123 Wilberforce Road, London, N. 4to sheet. 1902. 2s.

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PRACTICE OF HAND TURNING IN Wood, Ivory, Shell, etc., for Students, by F. Campion. Cr. 8vo. 3rd ed. 300 pp. Illus. Spon, 3s. 6d.

WOOD TURNERS' HANDY BOOK, by P. N. Hasluck. Cr. 8vo. 144 pp. 1887. Lockwood, 1s.

SECTION 13.

CHEMICALS, CHEMISTRY.

Alkalies.

ALKALI MAKERS' HANDBOOK, by G. Lunge, Ph.D., and F. Hunter, Ph.D. Cr. 8vo. 2nd ed. 200 pp. Illus. 1891. Whittaker, 10s. 6d.

THEORETICAL AND PRACTICAL Treatise on the Manufacture of Alkali and Soda, Leblanc Process, by G. Lunge. Vol. II. 920 pp. 305 Illus. 1895. Gurney & J., 42s. Vol. III. Ammonia - Soda Process, Alkali Manufacture, Chlorine Industry, Manufacture by Electrolysis, Bleaching Powder, Chlorate of Potash. Royal 8vo. 840 pp. 246 Illus. 1896. Gurney & J., 42s.

Ammonia, Coal Tar Distillation.

AMMONIA AND ITS COMPOUNDS: Their Manufacture and Uses, by C. Vincent, trans. from French. Royal 8vo. 114 pp. 32 Illus. 1901. Scott, Greenwood, 5s.

COAL TAR AND AMMONIA, by Prof. Lunge. Royal 8vo. 3rd ed. 930 pp. 191 Illus. 1900. Gurney & J., 42s.

COMMERCIAL ORGANIC ANALYSIS, by A. H. Allen. Vol. II., Part II. Hydrocarbons, Petroleum and Coal-Tar Products, Asphalt, Phenols and Creosotes. 8vo. 3rd ed. 338 pp. 1900, 14s. Vol. III., Part II. Amines and Ammonium Bases, Hydrazine and its Derivatives, Bases

from Tar, Antipyretics, etc., Vegetable Alkaloids, etc. 8vo. 2nd ed. 584 pp. 1892. Churchill, 18s.

FRACTIONAL DISTILLATION, by S. Young. Cr. 8vo. 296 pp. 72 Illus. 1903. Macmillan, 8s. 6d.

MANUELETTE OF THE COAL TAR, Rosin Oil, Paraffin Oil and Allied Industries, by E. J. Mills, D.Sc. Imp. 8vo. 4th ed. Illus. 1892. Gurney & J., 5s.

Arsenic.

ARSENIC, by J. A. Wanklyn. Cr. 8vo. 2nd ed. 116 pp. 1902. Paul, 2s. 6d.

ARSENIC: Papers reprinted from Journal of Soc. Chem. Industry. 1901. Eyre & Spottiswoode, 1s.

Chemical Analysis.

ANALYTICAL CHEMISTRY, trans. from A. Menschutkin by J. Locke. Demy 8vo. 512 pp. Illus. 1896. Macmillan, 17s.

BLOWPIPE ANALYSIS, by J. Landauer, trans. by J. Taylor, B.Sc. Globe 8vo. 168 pp. 1901. Macmillan, 4s. 6d.

CHEMICAL ANALYSIS, Qualitative and Quantitative, by W. Briggs and R. W. Stewart. Cr. 8vo. 2nd ed. 128 pp. Clive, 3s. 6d.

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CHEMICAL ANALYSIS, for Schools: Qualitative - Inorganic, by A. H. Scott-White, B.Sc., B.A. Pott 8vo. 130 pp. 1883. T. Laurie, 2s.

COMPENDIOUS MANUAL OF QUALITATIVE Chemical Analysis, by C. W. Eliot and F. H. Storer. 12mo. 20th ed. Illus. Van Nostrand, N.Y., \$1.25.

ENGINEERING CHEMISTRY: Manual of Quantitative Chemical Analysis, by T. B. Stillman, M.Sc., Ph.D. (U.S.A.). Demy 8vo. 2nd ed. 503 pp. 132 Illus. 1900. Scientific Pub. Co., 20s.

EXERCISES IN QUANTITATIVE Chemical Analysis, by W. Dittmar, LL.D. Royal 8vo. 318 pp. Illus. Hodge & Co., Glasgow, 10s. 6d.

Chemical Analysis, continued.

EXPERIMENTAL INTRODUCTION TO Laboratory Practice and Qualitative Analysis from a Physicochemical Standpoint, by R. Abegg and Prof. W. Herz. 3 Tables. Cr. 8vo. Macmillan, 6s.

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MANUAL OF QUANTITATIVE CHEMICAL Analysis, for Beginners, by E. F. Ladd (U.S.A.). 1899. Chapman, 4s. 6d.

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QUALITATIVE CHEMICAL ANALYSIS, by A. B. Prescott and O. C. Johnson. 8vo. 5th ed. 430 pp. 1902. Van Nostrand, N.Y., \$3.50.

QUALITATIVE CHEMICAL ANALYSIS and Laboratory Practice, by T. E. Thorpe, B.Sc., Ph.D., and M. M. P. Muir, M.A. Fcp. 8vo. 246 pp. 57 Illus. 1898. Longmans, 3s. 6d.

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QUANTITATIVE CHEMICAL ANALYSIS, for Students, by F. Clowes, D.Sc. Post 8vo. 5th ed. 616 pp. 122 Illus. 1900. Churchill, 10s.

QUANTITATIVE CHEMICAL ANALYSIS by Electrolysis, by Dr. A. Classen (U.S.A.), trans. from German. Demy 8vo. 295 pp. 93 Illus. 1903. Chapman, 12s. 6d.

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SYSTEM OF INSTRUCTION IN CHEMICAL Analysis, from German of R. Fresenius. Qualitative, trans. by C. E. Groves. 8vo. 10th ed. 481 pp. 46 Illus. and Plate. 1887. 15s. Quantitative. Vol. I. Trans. by A. Vacher. 8vo. 7th ed. 524 pp. 106 Engravings. 1876. 15s. Vol. II. Trans. by C. E. Groves. 8vo. 712 pp. 143 Engravings. 1900. 20s. Churchill.

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VOLUMETRIC ANALYSIS, for Students, by J. B. Coppock. Cr. 8vo. 98 pp. 1899. Whittaker, 2s.

(See also **Chemistry, Practical**, below.)

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CHEMICAL ARITHMETIC, 1200 Problems, by S. Lupton. Fcp. 8vo. 2nd ed. 171 pp. 1901. Macmillan, 4s. 6d.

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CHEMICAL AND METALLURGICAL Handbook of Tables, Formulæ and Information for Chemists and Mining Engineers, by J. H. Cremen and G. A. Bicknell (U.S.A.). Fcp. 8vo. 2nd ed. 337 pp. 1898. Scientific Pub. Co., 12s. 6d.

CHEMICAL PERCENTAGE TABLES and Laboratory Calculations, by C. H. Ridsdale. Emmott, Manchester, 3s. 6d.

CHEMISTS' POCKET BOOK, by T. Bayley. Obl. 32mo. 7th ed. 559 pp. 1900. Spon, 5s.

CHEMISTS' POCKET MANUAL. Tables, Formulæ, Calculations and Methods, by R. K. Meade, B.Sc. 16mo. 204 pp. 1900. Chemical Pub. Co., Easton, Pa., \$2.

PHYSICO-CHEMICAL TABLES, by J. C. Evans. Vol. I. Chemical Engineering and Physical Chemistry. Roy. 8vo. 580 pp. 1902. Griffin, 24s.

PRACTICAL METHOD OF DETERMINING Molecular Weights, by H. Biltz, trans. by H. C. Jones and S. H. King, M.D. Illus. Chemical Pub. Co., Easton, Pa., \$2.

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CHEMICAL MANUFACTURERS' DIRECTORY. Annual. Cr. 8vo. 150 pp. Simpkin, 2s. 6d.

CHEMICAL TRADES' DIRECTORY.

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Chemical Technology.

CHEMICAL ESSAYS OF C. W. Scheele, trans. from Academy of Sciences at Stockholm in 1786. Demy 8vo. 300 pp. Re-issued 1901. Scott, Greenwood, 5s.

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COMMERCIAL ORGANIC ANALYSIS, by A. H. Allen. Vol. I. Alcohols, Neutral Alcoholic Derivatives, etc., Ethers, Vegetable Acids, Starch, Sugars, etc. Roy. 8vo. 3rd ed. 569 pp. Illus. 1897. 18s. Vol. III., Part III. Vegetable Alkaloids, Non-Basic Vegetable Bitter Principles, Animal Bases, Animal Acids, Cyanogen, etc. 8vo. 2nd ed. 508 pp. 1896. 16s. Vol. IV. Proteids and Albuminous Principles. 8vo. 2nd ed. 590 pp. 1898. 18s. Churchill.

DICTIONARY OF APPLIED CHEMISTRY, by T. E. Thorpe, B.Sc., Ph.D., D.Sc. 3 vols. Vol. I. A-D. Med. 8vo. 715 pp. Illus. 1898. 42s. Vol. II. E-N. 714 pp. 1890. 42s. Vol. III. O-Z. 1058 pp. 1909. 63s. Longmans.

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Chemical Technology, continued.

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(See also below.)

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CHEMISTRY OF CARBON COMPOUNDS, or Organic Chemistry, by W. A. Tilden, D.Sc. Cr. 8vo. 2nd ed. 662 pp. Illus. 1886. Churchill, 10s.

CHEMISTRY OF THE CARBON COMPOUNDS, or Organic Chemistry, trans. from Prof. V. von Richter by E. F. Smith U.S.A. 2 vols. Demy 8vo. 3rd ed. Vol. I. Aliphatic Series. 625 pp. 1901. Vol. II. Carbocyclic and Heterocyclic Series. 671 pp. 1900. Kegan Paul, 15s.

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HANDBOOK OF INDUSTRIAL Organic Chemistry, for Manufacturers, Chemists, etc., by S. P. Saddler, Ph.D. (U.S.A.). Roy. 8vo. 3rd ed. 543 pp. 14 Diagrams. 127 Illus. 1900. Lippincott, 25s.

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ORGANIC CHEMISTRY IN THE Laboratory, by W. A. Noyes, Ph.D. Chem. Pub. Co., Easton, Pa., \$1.50.

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SOLICITOR'S BOOK-KEEPING BY Double Entry on the Triple Column System, by G. J. Kain. Cr. 8vo. 12th ed. 1902. Waterlow, 3s.

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TATE'S COUNTING-HOUSE GUIDE to Higher Branches of Commercial Calculations and Valuation, by J. Westley-Gibson, LL.D. Part I. Cr. 8vo. 194 pp. 1895. E. Wilson, 7s. 6d.

THEATRE ACCOUNTS, by W. H. Chantrey. Demy 8vo. 83 pp. 1902. Gee & Co., 3s. 6d.

(Banking. See section 7. Foreign Money Tables. See section 25. Calculators, Ready Reckoners. See section 11.)

Commercial Arithmetic.

ARITHMETIC OF COMMERCE AND Trade, by S. Jackson. Cr. 8vo. 1903. Allman, 2s.

COMMERCIAL ARITHMETIC. Cr. 8vo. 98 pp. 1901. Gill, 6d.

COMMERCIAL ARITHMETIC, by C. Pendlebury. Cr. 8vo. 2nd ed. 250 pp. 1898. Bell, 2s. 6d.

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MERCANTILE ARITHMETIC, with Answers, by R. Wormell, D.Sc., M.A. Large cr. 8vo. 414 pp. 1892. E. Arnold, 4s.

TECHNICAL ARITHMETIC AND GEO-METRY, by C. T. Millis. Cr. 8vo. 254 pp. 194 illus. 1903. Methuen, 3s. 6d.

Commercial Correspondence—English.

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COMMERCIAL LETTER-WRITER in English and French, by J. McLaughlin. 12mo. 441 pp. 1890. D. Nutt, 4s.

ENGLISH-FRENCH COMMERCIAL Correspondent. 16mo. 432 pp. Hirschfeld, 2s.

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—German Correspondence.

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DICTIONARY OF TRADE PRODUCTS, by P. L. Simmonds. Cr. 8vo. 510 pp. Routledge, 2s. 6d.

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MERCHANT'S DICTIONARY OF Terms Used by Merchants and Bankers, by R. Bithell, B.Sc., Ph.D. Globe 8vo. 326 pp. Routledge, 2s. 6d.

TECHNOLOGICAL AND SCIENTIFIC DICTIONARY, ed. by G. F. Goodchild, B.A., B.Sc. and C. F. Twenty. 15 parts. 1903-4. G. Newnes, 1s. each.

Commercial Education.

COMMERCIAL EDUCATION IN Theory and Practice, by E. E. Whitfield. Cr. 8vo. 324 pp. 1901. Methuen, 5s.

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COMMERCIAL GEOGRAPHY, by Dr. C. Zehden; trans. by F. Muirhead, M.A. Manual of the Countries of the World, Centres of Trade, Productions, Exports, etc. Cr. 8vo. 600 pp. Map. 1893. Blackie, 5s.

COMMERCIAL GEOGRAPHY OF Foreign Nations, by F. C. Boon, B.A. Cr. 8vo. 184 pp. 1901. Methuen, 2s.

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HANDBOOK OF COMMERCIAL GEOGRAPHY, by G. G. Chisholm, M.A., B.Sc., 4th ed. Demy 8vo. 37 Maps, 6 Diagrams. 680 pp. 1903. Longmans, 15s.

TEXTBOOK OF COMMERCIAL GEOGRAPHY, by C. C. Adams. Cr. 8vo. 1902. Hirschfeld, 5s.

Companies.

COMMON COMPANY FORMS: Precedents Required in Incorporating, Managing and Voluntary Winding-up, by A. Pulbrook. Cr. 8vo. 352 pp. 1902. E. Wilson, 7s. 6d.

COMPANIES ACTS, 1862-1900. Life Assurance Companies Acts, 1870-2. Finance Act, 1899. 3rd ed. Jordan, 5s.

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COMPANIES ACT, 1862-1900, by W. Golden, LL.B., B.A., and S. Hutton. Cr. 8vo. 304 pp. 1901. E. Wilson, 5s.

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COMPANIES DIARY AND AGENDA Book, for Secretaries and Directors. Fcp. 4to. Annual. Jordan, 2s. 6d.

COMPANY PRECEDENTS FOR USE IN Relation to Companies, by F. B. Palmer. Part II. Winding-up Forms. 8vo. 9th ed. 1904. 32s. Part III. Debentures. 8vo. 9th ed. 1903. 25s. Stevens & Sons.

COMPANY SECRETARY: HIS DUTIES; also the Companies Act, 1900, with Notes, by W. H. Fox. Fcp. folio. 3rd ed. 460 pp. 1899. Gee, 20s.

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DIRECTORY OF DIRECTORS. Cr. 8vo. 900 pp. Annual. T. Skinner, 15s.

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HANDY BOOK ON LAW AND Practice of Joint-Stock Companies, by A. Pulbrook. Cr. 8vo. 3rd ed. 297 pp. 1901. E. Wilson, 4s.

JOINT-STOCK COMPANIES' PRACTICAL Guide, by H. Hurrell and C. G. Hyde. Demy 8vo. 7th ed. 402 pp. 1900. Waterlow, 6s.

LAW AND PRACTICE RELATING TO the Formation of Companies, by V.

Nicholas. Royal 8vo. 1903. Sweet & Maxwell, 7s. 6d.

LAW AND PRACTICE UNDER COMPANIES Acts and Life Assurance Companies Acts, by Sir H. B. Buckley. 8th ed. Royal 8vo. 1902. Stevens & Haynes, 36s.

LAW OF DIRECTORS AND PROMOTEES' Liabilities, by R. S. Dean. 12mo. 1897. Clowes, 2s. 6d.

LAW OF JOINT-STOCK COMPANIES, by J. W. Smith, LL.D. 12mo. 237 pp. 1902. E. Wilson, 2s. limp.

LAW OF THE LIABILITY OF Directors and Promoters, by R. S. Deans, LL.B. Fcp. 8vo. 140 pp. 1897. Clement Wilson, 2s. 6d.

LAW RELATING TO RECONSTRUCTION and Amalgamation of Joint-Stock Companies, by P. F. Simonson, M.A. Royal 8vo. 174 pp. 1902. E. Wilson, 10s. 6d.

MANUAL OF LAW OF JOINT-STOCK Companies in Scotland, by A. McNeil. Cr. 8vo. 302 pp. 1901. W. Green & Sons, Edinburgh, 6s.

MANUAL OF PRACTICE UNDER Companies Act, 1900: Notes and Forms, by E. W. Nunne. Royal 8vo. 134 pp. 1902. Howard & Jones, 7s. 6d.

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POWERS, DUTIES AND LIABILITIES of Directors under the Companies Acts, 1862-90, by T. W. Haycraft. 12mo. E. Wilson, 1s. 6d.

PRACTICAL GUIDE TO COMPANY Law as Amended by Companies Act, 1900, by E. Manson. Post 8vo. 1900. Shaw & Sons, 5s.

PRACTICAL HINTS ON THE PREPARATION and Registration of Joint-Stock Companies' Forms, with Precedents, Fees and Stamp Duties. Demy 8vo. 5th ed. 84 pp. and Supplement. 1900. Waterlow, 2s. 6d.

PRIVATE COMPANIES AND SYNDICATES, by F. B. Palmer. Cr. 8vo. 18th ed. 1903. Stevens & Sons, 1s.

RESPONSIBILITIES OF DIRECTORS and Working of Companies under

the Companies Acts, 1862-1900, by A. Pulbrook. Cr. 8vo. 264 pp. 1901. E. Wilson, 3s. 6d.

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MERCANTILE YEAR BOOK AND Directory of Exporters. Annual. *Mercantile Guardian*, 10s.

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PARTNERSHIP AND COMPANIES: Manual of Practical Law, by P. F. Wheeler. Cr. 8vo. 1892. A. & C. Black, 5s.

SUMMARY OF THE LAW OF PARTNERSHIP, by S. Matthews (U.S.A.). 12mo. R. Clarke Co., Cincinnati, \$1.25.

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PORTS AND DOCKS: Their History, Working and National Importance, by D. Owen. Cr. 8vo. 180 pp. 1904. Methuen, 2s. 6d.

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RECLAMATION OF LAND FROM Tidal Waters, by A. Beazeley. Large cr. 8vo. 314 pp. Illus. 1900. Lockwood, 10s. 6d.

REPORT ON INDIAN LIGHTHOUSE Construction and Illumination, by F. W. Ashpitel. 1895. B. Quaritch, 29s. 6d.

THEORY AND PRACTICE IN THE Design and Construction of Dock Walls, by J. R. Allen. Cr. 4to. Spon, 6s.

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TOY DOGS AND SMALL DOGS, ed. by S. Robinson. 2 vols. Kennel Pub. Co., 21s.

(See also **Civil Engineering**, sect. 21.) (**Veterinary Books.** See section 69.)

SECTION 18.

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ECONOMICS OF MODERN COOKERY, by M. M. Mallock. Globe 8vo. 2nd ed. 1900. Macmillan, 3s. 6d.

ENCYCLOPÆDIA OF PRACTICAL COOKERY, ed. by T. F. Garrett. Demy 4to. 2 vols. Vol. I. A—M. 1006 pp. 1242 illus. Plates. Vol. II. 888 pp. 1088 illus. Plates. Upcott Gill, 63s.

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NEW CENTURY COOKERY BOOK, by C. H. Senn. Med. 8vo. 700 pp. 4000 Recipes. 1901. Spottiswoode & Co., 12s. 6d.

OFFICIAL HANDBOOK OF THE NATIONAL TRAINING SCHOOL FOR COOKERY, Lessons on Cookery forming the Course of Instruction. Large cr. 8vo. 476 pp. Chapman, 3s. 6d.

PRACTICAL COOKING AND SEWING, by J. M. Hill. Cr. 8vo. 750 pp. illus. 1903. Heinemann, 10s.

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SCHOOL COOKERY BOOK, by C. E. Guthrie Wright. Pott 8vo. 158 pp. 1893. Macmillan, 1s.

SIMPLE LESSONS IN COOKERY, for

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WALDORF COOK BOOK, by O. Tschirky (U.S.A.). Super Royal 8vo. 930 pp. Gay & Bird, 12s.

(Foods. See section 24.)

Domestic Economy.

BAYLIS' LAW OF DOMESTIC SERVANTS: Their Rights, Duties and Relations. Cr. 8vo. 5th ed. 80 pp. 1896. Low, 1s. limp.

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COUNTRY HOUSE: Useful Information and Recipes for Householders, ed. by I. E. B. C. Large cr. 8vo. 3rd ed. 228 pp. illus. 1883. Horace Cox, 5s.

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HOME AND ITS DUTIES: Manual of Domestic Economy for Schools, by J. W. Laurie. Pott 8vo. 130 pp. T. Laurie, 1s.

HOUSEHOLD ECONOMICS, by Helen Campbell (U.S.A.). Cr. 8vo. Putnam's, 6s.

Domestic Economy, continued.

HOW TO KEEP HOUSE, by Mrs. C. S. Peel. Cr. 8vo. 1903. Constable, 3s. 6d.

NOTES ON THE LAW OF MASTER and Servant, by J. Paterson, M.A. Demy 8vo. 250 pp. 1885. Butterworth, 5s.

SPON'S HOUSEHOLD MANUAL: Domestic Receipts and Guide for Home Management. Demy 8vo. 1043 pp. 250 illus. Spon, 7s. 6d.

(Hygiene. See section 34.)

Dressmaking, Needlework.

DRESS-CUTTING, DRAFTING, French Pattern Modelling, by M. P. Browne. 8vo. 124 pp. illus. 1903. Constable, 2s.

DRESSMAKING: Technical Manual for Teachers, by Mrs. H. Grenfell. Pott 8vo. 83 pp. 10 Diagrams. 1892. Macmillan, 1s.

ELEMENTS OF DRESSMAKING, for Amateur and Professional, for Students Preparing for City and Guilds Examinations, by J. E. Davis. Cr. 8vo. 202 pp. illus. 1902. Cassell, 2s.

HOW TO MAKE A DRESS, by J. A. E. Wood. Cr. 8vo. 2nd ed. 90 pp. 45 illus. 1900. Methuen, 1s. 6d.

NEEDLEWORK AND KNITTING Drills for Infants, with Music in Both Notations, by Alice Marrow. Cr. 8vo. 128 pp. illus. 1900. Nelson, 1s.

NEEDLEWORK FOR STUDENT Teachers, by A. K. Smith. Demy 8vo. 5th ed. 212 pp. 1899. City of London Book Depot, 3s. 6d.

PLAIN NEEDLEWORK AND KNITTING, for Elementary Schools, by H. K. Brietzche and E. F. Rooper. Cr. 8vo. 168 pp. illus. 1885. Sonnenschein, 3s. 6d.

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2nd ed. 100 pp. 16 illus. 1899. Sonnenschein, 1s.

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TEACHING OF CUTTING OUT: Course of Instruction for Pupil Teachers, by H. D. Fuechsel. Cr. 8vo. 50 pp. 1901. Simpkin, 2s. 6d.

TEXT-BOOK OF NEEDLEWORK, Knitting and Cutting Out, with Methods of Teaching, by E. Rosevear. Cr. 8vo. 4th ed. 514 pp. illus. and diagrams. 1901. Macmillan, 6s.

Embroidery, Lace, Fancy Work.

ART IN NEEDLEWORK: a Book about Embroidery, by L. F. Day and Mary Buckle. Cr. 8vo. 2nd ed. 262 pp. 28 illus. 75 Plates. 1901. Batsford, 5s.

EMBROIDER'S BOOK OF DESIGN, by F. Delamotte. Royal 8vo. 1881. Lockwood, 1s. 6d.

EMBROIDERY AND LACE: Their Manufacture and History from Remotest Antiquity to Present Day; trans. from E. Lefébure. Cr. 8vo. 326 pp. 150 illus. 1899. Grevel, 7s. 6d.

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LACE-MAKING IN THE MIDLANDS, Past and Present, by C. C. Channer and M. E. Roberts. Cr. 8vo. 80 pp. 16 illus. 1900. Methuen, 2s. 6d.

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Armature Windings.

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SECONDARY BATTERIES, by an Engineer. 8vo. 92 pp. 1903. Alabaster, 4s.

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STORAGE BATTERY ENGINEERING, by L. L. Yndon. 8vo. 2nd ed. 383 pp. 1903. McGraw Pub. Co., N.Y., \$3.

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(Calculations. See Measurements.)

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POCKET DICTIONARY OF ELECTRICAL Words, Terms and Phrases, by E. J. Houston, Ph.D. 32mo. 945 pp. 1898. Sonnenschein, 10s.

PRACTICAL DICTIONARY OF ELECTRICAL Engineering and Chemistry, by P. Heyne. Cr. 8vo. 3 vols. Vol. I. German-English-Spanish. 196 pp. 5s. Vol. II. English-Spanish-German. 209 pp. 5s. Vol. III. Spanish-German-English. 218 pp. 5s. Grevel.

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Dynamos.

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(Magnets. See below.)

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(Electric Cables. See Telegraphy.)

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(Measurements, Motors, Testing, Pocket Books, Tables, etc. See below.)

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ELECTRIC HEATING, by E. J. Houston. 290 pp. 86 Illus. *Electrical World*, N.Y., \$1.

Electric Lighting.

CARBON-MAKING FOR ALL ELECTRICAL Purposes, by F. Jehl. Illus. *Electrician*, 10s. 6d.

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ECONOMIC VALUE OF ELECTRIC Light and Power, by A. R. Foote (U.S.A.). Cr. 8vo. Spon, 4s. 6d.

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ELECTRIC LIGHTING FOR MARINE Engineers, by S. F. Walker. Cr. 8vo. 2nd ed. 300 pp. 103 Illus. Whittaker, 5s.

ELECTRIC LIGHTING SPECIFICATIONS, for Engineers and Architects, by E. A. Merrill, A.M. 8vo. 2nd ed. 213 pp. *Electrical World*, N.Y., \$1.50.

ELECTRIC SHIP LIGHTING, by J. W. Urquhart. Cr. 8vo. 2nd ed. Lockwood, 7s. 6d.

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INCANDESCENT ELECTRIC LIGHTING, by L. H. Latimer, etc. (U.S.A.), 18mo. 140 pp. Spon, 2s. boards.

Electric Lighting, continued.

INCANDESCENT LAMP AND ITS Manufacture, by G. S. Raim. Illus. *Electrician*, 7s. 6d.

LAW OF ELECTRIC LIGHTING, by J. S. Will. Roy. 8vo. 2nd ed. 326 pp. 1900. Butterworth, 17s. 6d.

LOCALISATION OF FAULTS IN ELECTRIC Light Mains, by F. C. Raphael. 220 pp. 100 Illus. *Electrician*, 7s. 6d.

MECHANISM OF THE ELECTRIC ARC, by H. Ayrton. 4to. 36 pp. 1902. Dulau, 2s. 6d.

PHOTOGRAPHIC AND OPTICAL Electrical Lamps, by R. Kennedy. Demy 8vo. 60 pp. 59 Illus. 1895. *Electrical Review*, 2s. 6d.

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PRACTICAL TREATISE ON THE INCANDESCENT Lamp, by J. H. Randall (U.S.A.). 18mo. Illus. Spon, 2s. 6d.

TREATISE ON INDUSTRIAL PHOTO-METRY, with Special Reference to Electric Lighting, by A. Palaz. Roy. 8vo. 2nd ed. 322 pp. 92 Illus. Van Nostrand, N.Y., \$4.

(Wiring. See p. 73.)

Electric Traction.

AMERICAN ELECTRIC STREET RAILWAYS: Their Construction and Equipment, by K. Hedges. Post 4to. 200 Illus. Spon, 12s. 6d.

ELECTRIC RAILWAYS AND TRAMWAYS: Their Construction and Operation, by P. Dawson. Demy 4to. 678 pp. Illus. 1897. *Engineering*, 42s.

ELECTRIC RAILWAY MOTORS: Construction, Operation and Maintenance, by N. W. Perry. Cr. 8vo. 238 pp. 60 Illus. *Electrical World*, N.Y., \$1.

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ENGINEERING PRELIMINARIES, for an Interurban Electrical Railway, by E. Gonzenbach. 8vo. 1903. McGraw Pub. Co., N.Y., \$1.

HOW TO BECOME A COMPETENT Motorman, by V. B. Livermore and J. Williams. Cr. 8vo. 232 pp. 45 Ill. 1903. Van Nostrand, N.Y., \$1.

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(Transmission. See below.

Railways. See section 57.)

Electricity in Mining.

ELECTRICAL PRACTICE IN COLLIERIES, by D. Burns. Cr. 8vo. 232 pp. 1903. Griffin, 6s.

ELECTRICITY AS APPLIED TO Mining, by A. Lupton, G. D. A. Parr, and H. Perkin. Med. 8vo. 288 pp. 170 Illus. 1903. Lockwood, 9s.

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(Electro-Chemistry. See section 13.)

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COMPLETE TREATISE ON THE Electro-depositions of Metals, trans. from German of Dr. G. Langbein. 4th ed. 538 pp. 150 Illus. 1902. Baird, Philadelphia, \$4.

(See also p. 81.)

(Electro-Smelting, Refining. See section 41.)

Induction Coils.

CONSTRUCTION OF LARGE INDUCTION COILS, by A. T. Hare. Demy 8vo. 156 pp. 35 Illus. 1900. Methuen, 6s.

INDUCTION COILS, by G. E. Bouney. Cr. 8vo. 2nd ed. 248 pp. 135 Illus. 1902. Whittaker, 3s.

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INDUCTION COIL IN PRACTICAL Work, including Röntgen X Rays, by L. Wright. Cr. 8vo. 172 pp. 71 Illus. 4 Plates. 1897. Macmillan, 4s. 6d.

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Magnets.

APPLIED MAGNETISM, by J. A. Kingdom. Demy 8vo. 292 pp. 75 Illus. *Electrical Review*, 7s. 6d.

ELEMENTS OF CONSTRUCTION FOR Electro-magnets, by Th. du Moncel, trans. from French. Cr. 8vo. Spon, 4s. 6d.

ELECTRO-MAGNET AND ELECTRO-magnetic Mechanism, by S. P. Thompson, D.Sc., B.A. Large cr. 8vo. 450 pp. 213 Illus. 1901. Spon.

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ABSOLUTE MEASUREMENTS IN Electricity and Magnetism, for Students, by A. Gray. Fcp. 8vo. 2nd ed. Macmillan, 5s. 6d.

ARITHMETIC OF ELECTRICAL MEASUREMENTS, Hobbs. Cr. 8vo. 9th ed. 111 pp. Illus. 1901. Murby, 1s.

ARITHMETIC OF ELECTRICITY: Manual of Electrical Calculations by Arithmetical Methods, by T. O'Connor Sloane (U.S.A.). Cr. 8vo. 5th ed. 138 pp. Illus. Spon, 4s. 6d.

DYNAMOMETERS AND THE MEASUREMENT OF Power, by J. J. Flather (U.S.A.). Cr. 8vo. 2nd ed. Spon, 12s. 6d.

ELECTRICAL AND MAGNETIC CALCULATIONS, for Electrical Engineers, Teachers, etc., by A. A. Atkinson. Cr. 8vo. 310 pp. 1902. Lockwood, 9s.

ELECTRICAL MEASUREMENT AND the Galvanometer: Its Construction and Uses, by T. D. Lockwood. 12mo. 2nd ed. 32 Illus. Van Nostrand, N.Y., \$1.50.

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ELECTRICAL ENGINEERING MEASURING Instruments for Commercial and Laboratory Purposes, by G. D. A. Parr. Royal 8vo. 336 pp. 370 Illus. 1903. Blackie, 9s.

GALVANOMETER AND ITS USES, by C. H. Haskins. 12mo. 4th ed. Van Nostrand, N.Y., \$1.50.

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TEMPERATURE COEFFICIENTS OF "Conductivity" Copper, by Clark, Forde and Taylor. *Electrician*, 2s. 6d.

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APPLICATION OF ELECTRIC MOTORS to Machine Driving, by A. Stewart. Cr. 8vo. 34 pp. 8 Illus. 1900. *Electricity*, 1s.

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ELECTRICAL MOTOR INSTALLATIONS, by F. J. A. Matthews. Demy 8vo. 157 pp. 84 Illus. 1902. Scientific Pub. Co., Manchester, 2s. 6d. paper.

Motors and Motive Power, cont.

ELECTRIC MOTIVE POWER, by A. T. Snell. 8vo. 2nd. ed. 400 pp. 250 illus. *Electrician*, 10s. 6d.

ELECTRO-MOTORS: HOW MADE and How Used, by S. R. Bottone. Cr. 8vo. 4th ed. 90 illus. 1901. Whittaker, 3s.

ELECTRIC MOTOR, by E. J. Houston and A. E. Kennelly. 377 pp. 122 ill. *Electrical World*, N.Y., \$1.

ELECTRICITY AS A MOTIVE POWER, by Th. du Moncel, trans. from French. Cr. 8vo. 113 illus. Spon, 7s. 6d.

INDUCTION MOTOR: ITS THEORY and Design, by H. Boy de la Tour, trans. by C. O. Mailloux. Royal 8vo. 200 pp. 75 illus. 1903. McGraw Pub. Co., N.Y., \$2.50.

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MOTIVE POWER AND GEARING for Electrical Machinery, by E. T. Carter. 8vo. 650 pp. 200 illus. 80 Tables. *Electrician*, 12s. 6d.

MOTOR ENGINEER'S AND ELECTRICAL Worker's Handbook, by W. Lintern (U.S.A.). 12mo. Spon, 2s.

STARTERS AND REGULATORS FOR Electric Motors and Generators, by R. Krause. Demy 8vo. 140 pp. 1904. Harper, 4s. 6d.

(Electric Traction, see above.)

Pocket-books, Rules, Tables.

ELECTRICAL AND MAGNETIC CALCULATIONS, by A. A. Atkinson. 12mo. 2nd ed. 1903. Van Nostrand, N.Y., \$1.50.

ELECTRICAL ENGINEERS' PRICE-BOOK, ed. by H. J. Dowsing. 12mo. 2nd ed. 478 pp. 1896. Griffin, 8s. 6d.

ELECTRICAL ENGINEERS' POCKET-BOOK, ed. by K. Edgecombe. 12mo. 149 illus. 1903. Whittaker, 3s. 6d.

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ELECTRICAL ENGINEER'S POCKET-BOOK, by H. R. Kempe. Obl. 32mo. 2nd ed. Lockwood, 5s.

ELECTRICAL ENGINEERS' YEAR-

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ELECTRIC POCKET-BOOK AND Diary. 300 pp. Annual. Technical Pub. Co., Manchester, 1s.

ELECTRICAL RULES AND TABLES, Pocket-book for Electricians and Engineers, by J. Munro and Professor Jamieson. 18mo. 16th ed. 734 pp. 1903. Griffin, 8s. 6d.

ELECTRICAL TABLES AND MEMORANDA, by S. P. Thompson, D.Sc., B.A., and E. Thomas. 64mo. 134 pp. 1898. Spon, 1s.

POCKET-BOOK OF ELECTRICAL Engineering Formulae, etc., by W. Geipel and H. Kilgour. 2nd ed. 810 pp. 1900. *Electrician*, 7s. 6d.

POCKET-BOOK OF RULES, TABLES, Boilers, Electrical Equipment and Locomotives, etc. Fcp. 8vo. 1,000 pp. Annual. *Engineering*, 12s. 6d.

PRACTICAL ELECTRICIAN'S POCKET-BOOK. 32mo. 216 pp. Annual. Rentell, 1s.

Roentgen Rays.

BIBLIOGRAPHY OF X RAY LITERATURE and Research, ed. by C. E. S. Phillips. *Electrician*, 5s.

ELECTRICITY IN MEDICINE AND Surgery, including X Rays, by Dr. W. H. King. Imp. 8vo. Homœopathic Pub. Co., 17s. 6d.

MANUAL OF PRACTICAL MEDICAL Electricity, by D. Turner. Cr. 8vo. 4th ed. 450 pp. 1904. Baillière, 10s. 6d.

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RADIOGRAPHY: THEORY, PRACTICE and Application, by S. R. Bottone. Cr. 8vo. 190 pp. 47 illus. 1898. Whittaker, 3s.

ROENTGEN RAYS AND PHENOMENA of the Anode and Cathode, by E. P. Thompson. Demy 8vo. 190 pp. 105 illus. 1896. Van Nostrand, N.Y., \$1.50.

ROENTGEN RAYS IN MEDICAL Work, by D. Walsh. Demy 8vo. 3rd ed. 316 pp. 1902. Baillière, 12s. 6d.

ROENTGEN RAYS IN MEDICINE AND Surgery, by F. H. Williams (U.S.A.). 8vo. 300 illus. Macmillan, 25s.

(See Induction Coils, above.)

Telegraphy.

AMERICAN TELEGRAPHY: Systems, Apparatus, Operation, by W. Mayer. 8vo. 450 illus. Van Nostrand, N.Y., \$3.50.

ELECTRIC TELEGRAPHY, by E. J. Houston and A. E. Kennelly. 448 pp. 163 illus. *Electrical World*, N.Y., \$1.

ELECTRICITY AND THE ELECTRIC Telegraph, by G. B. Prescott (U.S.A.). 8th ed. 2 vols. Spon, 30s.

ELECTRICITY IN ITS APPLICATION to Telegraphy, for Examinations for Telegraphists, by T. E. Herbert. Cr. 8vo. 200 pp. 50 illus. 1899. Whittaker, 3s. 6d.

ELECTRICITY, MAGNETISM AND Electric Telegraphy, by T. D. Lockwood (U.S.A.). 8vo. 4th ed. Illus. Spon, 12s. 6d.

ELECTRICAL TESTING FOR TELEGRAPH Engineers, by J. E. Young. Demy 8vo. 274 pp. Illus. 1898. *Electrician*, 10s. 6d.

ELEMENTARY TELEGRAPHY AND Telephony, by A. Crotch. Demy 8vo. 232 pp. 238 illus. 1903. Spon, 4s. 6d.

HANDBOOK OF THE ELECTRO-MAGNETIC Telegraph, by A. E. Loring (U.S.A.). 18mo. 98 pp. 4th ed. 1900. Spon, 2s.

MODERN PRACTICE OF THE ELECTRIC Telegraph, by F. L. Pope. 8vo. 15th ed. Van Nostrand, N.Y., \$1.50.

PRACTICAL TELEGRAPHIST, by W. Lynd. Cr. 8vo. 2nd ed. E. Menken, 3s. 6d.

RISE AND EXTENSION OF SUBMARINE Telegraphy, by W. Smith. Descriptive. Super roy. 8vo. 390 pp. Illus. 1891. Virtue, 21s.

STUDENT'S GUIDE TO SUBMARINE Cable Testing, by H. K. C. Fisher and J. C. H. Darby. Demy 8vo.

3rd ed. 244 pp. 1903. *Electrician*, 7s. 6d.

SUBMARINE CABLE-LAYING AND Repairing, by H. D. Wilkinson. 400 pp. 200 illus. *Electrician*, 12s. 6d.

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SUBMARINE TELEGRAPHS: Their History, Construction and Working, by C. Bright. Super roy. 8vo. 744 pp. 146 illus. Maps. 36 Plates. 1898. Lockwood, 63s.

SUBMARINE TELEGRAPHY, by J. Bell and S. Wilson. Cr. 8vo. 63 pp. 39 illus. 1895. *Electricity*, 1s. 6d. limp.

TELEGRAPHIC CONNECTIONS: embracing Recent Methods in Quadruplex Telegraphy, by C. Thom and W. H. Jones. Obl. 8vo. 20 Plates. Van Nostrand, N.Y., \$1.50.

TELEGRAPHIC SIGNALS AND INTERNATIONAL Code Vocabularies, by J. Nicolson. 8vo. Whittaker, 3s.

TELEGRAPHISTS' GUIDE TO THE New Examination in Technical Telegraphy, by J. Bell. Cr. 8vo. 4th ed. 139 pp. 93 illus. 1898. Rentell, 1s. 6d.

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TELEGRAPHY SELF-TAUGHT, by T. A. Edison, M.A. Cr. 8vo. 1902. F. J. Drake & Co., Chicago, \$1.

TESTING TELEGRAPH CABLES, by Col. V. Hoskioer. Cr. 8vo. 3rd ed. Spon, 4s. 6d.

Telephones.

A B C OF THE TELEPHONE, by J. E. Homans, A.M. Demy 8vo. 352 pp. 269 illus. 1901. Audel Theodore, N.Y., \$1.

AMERICAN TELEPHONE PRACTICE, by K. B. Miller. Large 8vo. 3rd ed. 518 pp. 379 illus. 1901. *Electrical World*, N.Y., \$3.

BELL'S SPEAKING TELEPHONE: Its Invention, Construction, Application and Modification, by G. B. Prescott (U.S.A.). Royal 8vo. 2nd ed. 330 illus. Spon, 25s.

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ELECTRIC TELEPHONE, by E. J. Houston and A. E. Kennelly. 12mo. 2nd ed. 412 pp. 143 illus. 1902. *Electrical World*, N.Y., \$1.

MAGNETO-HAND TELEPHONE: Its Construction and Fitting-up, by N. Hughes (U.S.A.). Sq. 16mo. Spon, 3s. 6d.

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MANUAL OF TELEPHONY, by Sir W. H. Preece and A. J. Stubbs. Cr. 8vo. 508 pp. Illus. 1893. Whittaker, 15s.

PRACTICAL FEATURES OF TELEPHONE WORK, by A. E. Dobbs (U.S.A.). 134 pp. 61 illus. *Electricity*, 3s. 6d.

PRACTICAL TELEPHONE HANDBOOK and Guide to Telephonic Exchange, by T. S. Baldwin. Cr. 8vo. Illus. F. J. Drake & Co., Chicago, \$1.25.

PRACTICAL TELEPHONE HANDBOOK, by J. Poole. Sq. cr. 8vo. 2nd ed. 360 pp. 228 illus. 1895. Whittaker, 5s.

PRACTICAL TELEPHONY, for Students, by J. Bell and S. Wilson. Cr. 8vo. 2nd ed. 299 pp. 249 illus. 1899. *Electricity*, 2s. 6d.

TELEPHONE HANDBOOK, by H. L. Webb. 16mo. 146 pp. 128 illus. Van Nostrand, N.Y., \$1.

TELEPHONE LINES AND METHODS of Constructing Them Overhead and Underground, by W. C. Owen. Cr. 8vo. 406 pp. 265 illus. 1903. Whittaker, 5s.

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TELEPHONE SYSTEM OF THE British Post Office, by T. E. Herbert. Cr. 8vo. 3rd ed. 220 pp. 146 illus. 1904. Whittaker, 3s. 6d.

TELEPHONES: THEIR CONSTRUCTION and Fitting, by F. C. Allsop. Cr. 8vo. 6th ed. 192 pp. 1900. Spon, 3s. 6d.

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ELECTRICAL ENGINEERING TESTING, for Second and Third Year Students, by G. D. A. Parr. Demy 8vo. 2nd ed. 482 pp. 218 illus. 31 Tables. 1902. Chapman, 9s.

GUIDE TO THE PRACTICAL ELEMENTS of Electrical Testing, by J. Warren. Cr. 8vo. 192 pp. 1902. Rentell, 3s. 6d.

HANDBOOK FOR ELECTRICAL LABORATORY and Testing Room, by J. A. Fleming. Vol. I. Demy 8vo. 550 pp. 1901. 12s. 6d. Vol. II. Demy 8vo. 630 pp. 1903. 14s. *Electrician*.

HANDBOOK OF ELECTRICAL TESTING, by H. R. Kempe. Demy 8vo. 6th ed. 646 pp. 238 illus. 1900. Spon, 18s.

PRACTICAL ELECTRICAL TESTING IN Physics and Electrical Engineering, for First and Second Year Students, by G. D. A. Parr. Demy 8vo. 392 pp. 231 illus. 1901. Longmans, 8s. 6d.

Toy and Model-making.

ELECTRIC TOY-MAKING, DYNAMO Building and Electric Motor Construction, for Amateurs, by T. O'Connor Sloane (U.S.A.). Cr. 8vo. 7th ed. Spon, 4s. 6d.

ELECTRICAL INSTRUMENT-MAKING, for Amateurs, by S. R. Bottone. Cr. 8vo. 7th ed. 290 pp. 96 illus. 1900. Whittaker, 3s. 6d.

SIMPLE ELECTRICAL WORKING Models: How to Make and Use Them, by P. Marshall. Cr. 8vo. 1902. Dawbarn, 6d. paper.

(Transformers, see **Alternating Currents**.)

Transmission and Distribution.

ELECTRICAL DISTRIBUTION : Its Theory and Practice. Part I., by M. H. Kilgour. Part II., by H. Swan and C. H. W. Biggs. Whittaker, 10s. 6d.

ELECTRIC POWER TRANSMISSION, by L. Bell (U.S.A.). Royal 8vo. 3rd ed. 642 pp. 282 illus. 31 Plates. 1902. Whittaker, 15s.

ELECTRIC TRANSMISSION HANDBOOK, by F. B. Badt. 18mo. 22 illus. 27 Tables. Van Nostrand, N.Y., \$1.

ELECTRICAL TRANSMISSION OF Energy, by A. V. Abbott. 8vo. 2nd ed. illus. Van Nostrand, N.Y., \$4.50.

ELECTRIC TRANSMISSION OF Energy and its Transformation, Subdivision and Distribution, by G. Kapp. Cr. 8vo. 4th ed. 450 pp. 166 illus. 1894. Whittaker, 10s. 6d.

GENERATION OF TRANSMISSION OF Electric Energy at and from Coal Pit Centres, by B. H. Thwaite. 8vo. 1902. Spon, 2s. 6d. paper.

POWER TRANSMITTED BY ELECTRICITY, including Electric Railway Construction, by P. Atkinson. Cr. 8vo. 3rd ed. 94 illus. 1902. Lockwood, 7s. 6d.

(Electric Traction. See above.)

Wireless Telegraphy.

HISTORY OF WIRELESS TELEGRAPHY, by J. J. Fabie. Cr. 8vo. 2nd ed. 348 pp. illus. 1901. Blackwood & Sons, 6s.

SIGNALLING ACROSS SPACE WITH-OUT WIRES, Dr. O. J. Lodge. Demy 8vo. 3rd ed. 136 pp. illus. 1900. *Electrician*, 5s.

WIRELESS TELEGRAPHY AND HERTZIAN WAVES, by S. R. Bottone. Cr. 8vo. 2nd ed. 150 pp. 37 illus. 1901. Whittaker, 3s.

WIRELESS TELEGRAPHY AND TELEPHONY, by M. Ernst. 8vo. illus. 1903. *Electricity*, 1s.

WIRELESS TELEGRAPHY : ITS ORIGIN, Development, Apparatus, by C. H. Sewall. Demy 8vo. 238 pp. 85 illus. 1903. Van Nostrand, N.Y., \$2.

WIRELESS TELEGRAPHY POPULARLY Explained, by R. Kerr. 12mo. 5th ed. 116 pp. 1901. Seeley, 1s. 6d.

Wiring.

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ELECTRIC WIRING AND FITTING, by C. V. Drysdale. Obl. cr. 8vo. 1901. R. J. Bush, 3s.

ELECTRIC WIRING, FITTINGS, Switches and Lamps, by W. P. Maycock. Cr. 8vo. 3rd ed. 460 pp. 360 illus. 1902. Whittaker, 6s.

ELECTRIC WIRING, for Architects, Underwriters and Owners, by R. Robb (U.S.A.). 4to. 183 pp. 76 illus. 1896. Macmillan, 10s.

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PRACTICAL GUIDE TO THE TESTING of Insulated Wires and Cables, by H. L. Webb. 12mo. illus. Van Nostrand, N.Y., \$1.

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UNIVERSAL WIRING COMPUTER, by C. Herring. 44 pp. 4 Charts. *Electrical World*, N.Y., \$1.

(Elections. See section 56.)

SECTION 20.

ELOCUTION, VOICE PRODUCTION.

AMERICAN STAR SPEAKER AND Model Elocutionist, ed. by C. W. Brown. Demy 8vo. Illus. 1902. Henneberry Co., Chicago, \$1.50.

ART OF BREATHING AS THE BASIS of Tone Production. Cr. 8vo. 288 pp. 1903. Curwen, 4s.

ART OF READING AND SPEAKING, by Rev. J. Fleming, B.D. Cr. 8vo. 5th ed. 250 pp. E. Arnold, 3s. 6d.

ELEMENTS OF ELOCUTION AND CORRECT Reading, by Rev. C. Richson, M.A. Fcp. 8vo. 2nd ed. 170 pp. T. Laurie, 1s. 6d.

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EXERCISES IN VOICE PRODUCTION and Enunciation, by R. Dunstan. Cr. 8vo. 2nd ed. 68 pp. 1899. Curwen, 1s. 6d.

HEALTH, SPEECH AND SONG. Guide to Voice Production, by J. Bell-Ranske. Demy 8vo. 160 pp. Plates. 1902. Sonnenschein, 4s. 6d.

KING'S COLLEGE LECTURES ON Elocution, by C. J. Plumpton. Demy 8vo. 5th ed. 488 pp. 1895. Kegan Paul, 15s.

MANUAL OF ELOCUTION, by J. Forsyth. Cr. 8vo. 320 pp. 1903. Dent, 2s.

POPULAR ELOCUTIONIST AND RECITER, with hints, by J. E. Carpenter. 8vo. 640 pp. 1902. Warne, 3s. 6d.

PRACTICAL ELEMENTS OF ELOCUTION, by R. J. Fulton (U.S.A.). Cr. 8vo. 3rd ed. 464 pp. 1898. Ginn, 6s. 6d.

PRACTICAL GUIDE TO ARTICULATION for Singing and Speaking, by J. Clarkson. Cr. 8vo. 40 pp. 1903. J. Heywood, 1s.

PRACTICAL LIP-READING, for Use of Deaf, by E. F. Boulton. Cr. 8vo. 120 pp. 1902. Upcott Gill, 2s.

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TEXT-BOOK ON THE NATURAL Use of the Voice, by G. E. Thorp and W. Nicholl. Cr. 8vo. 4th ed. 140 pp. 1899. E. Arnold, 2s. 6d.

VOICE BUILDING AND TONE PLACING, by H. H. Curtis. Cr. 8vo. 228 pp. 1901. H. Kimpton, 7s. 6d.

VOICE CULTURE AND ELOCUTION, by W. T. Ross. 12mo. Baker & Taylor Co., N.Y., \$1.25.

VOICE, SPEECH AND GESTURE. Practical Handbook to the Elocutionary Art, ed. by R. D. Blackman. Demy 8vo. 1132 pp. 1900. C. W. Deacon & Co., 5s.

(Singing, see **Music**, section 45.)

SECTION 21.

ENGINEERING, METAL WORK, HARDWARE.**Arches.**

ART OF CONSTRUCTING OBLIQUE Arches with Spiral Courses, by W. Donaldson, M.A. 8vo. Plates. Spon, 4s.

CONSTRUCTION OF OBLIQUE ARCHES, by J. Hart. Imp. 8vo. 3rd ed. Lockwood, 8s.

SEGMENTAL AND ELLIPTICAL OBLIQUE or Skew Arches, by G. J. Bell. Roy. 8vo. 125 pp. 17 Plates. 7 Illus. 1896. Spon, 21s.

STRAINS ON BRACED IRON ARCHES and Arched Iron Bridges, by A. S. Heaford. Large cr. 8vo. 39 pp. 7 Plates. 7 Illus. 1883. Spon, 6s.

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(See Bridges, also Strains and Stresses, below.)

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ARCHITECTURAL ENGINEERING, with Reference to High Building Construction, by J. K. Freitag (U.S.A.). Royal 8vo. 239 pp. 120 Illus. 1895. Chapman, 10s. 6d.

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ENGINEERING AND ARCHITECTURAL JURISPRUDENCE, Law of Construction, by J. C. Wait, LL.B. (U.S.A.). 8vo. 1897. Chapman, 25s.

METALLIC STRUCTURES: CORROSION and Fouling, and their Prevention; Safety of Works in Iron and Steel and of Ships, by J. Newman. Cr. 8vo. 374 pp. 1896. Spon, 9s.

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(Building Construction, Roofing, etc. See section 3.)

Bell-hanging.

BELL-HANGER'S HANDBOOK, by F. B. Badt. 18mo. 2nd ed. 97 Illus. Van Nostrand, N.Y., \$1.

(Electric Bells. See section 19.)

Bicycles.

BICYCLES AND TRICYCLES: Elementary Treatise on their Design and Construction, by A. Sharp, B.Sc. Cr. 8vo. 536 pp. 565 Illus. 1896. Longmans, 15s.

BICYCLE REPAIRING, by S. D. V. Burr. Med. 8vo. 4th ed. 208 pp. 205 Illus. 1898. D. Williams Co., N.Y., \$1.

CYCLE BUILDING AND REPAIRING, ed. by P. N. Hasluck. Cr. 8vo. 142 Illus. 1900. Cassell, 1s.

MODERN CYCLES: Their Construction and Repair, by A. J. Wallis-Taylor. Cr. 8vo. 340 pp. 312 Illus. 1897. Lockwood, 10s. 6d.

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MANUAL OF STEAM BOILERS: Their Designs, Construction and Operation, by R. H. Thurston (U.S.A.). 8vo. 5th ed. 244 illus. Chapman, 21s.

MARINE BOILER MANAGEMENT AND Construction, by C. E. Stromeyer. Royal 8vo. 2nd ed. 404 pp. 452 illus. 1901. Longmans, 12s.

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NOTES ON BOILER TESTING, by F. Grover. Cr. 8vo. 42 pp. 8 illus. 1900. Technical Pub. Co., Manchester, 1s. paper.

PLATING AND BOILER-MAKING, by J. G. Horner. Cr. 8vo. 364 pp. 338 illus. 1895. Lockwood, 7s. 6d.

POCKET-BOOK FOR BOILER-MAKERS and Steam Users, by M. J. Sexton. Royal 32mo. 4th ed. Spon, 5s.

PRACTICAL PHYSICS OF THE Modern Steam Boiler, by F. J. Rowan. Demy 8vo. 646 pp. 314 illus. 1903. P. S. King, 21s.

PRACTICAL TREATISE ON HIGH Pressure Steam Boilers, by W. M. Barr. 8vo. 456 pp. 204 illus. Baird, Philadelphia, \$3.

SPECIFICATION FOR A LANCASHIRE BOILER and Boiler Seating. 8vo. 1903. Technical Pub. Co., Manchester, 5s. limp.

STEAM BOILER CONSTRUCTION, by W. S. Hutton. Med. 8vo. 3rd ed. 596 pp. 508 illus. 1898. Lockwood, 18s.

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STEAM BOILERS: THEIR DESIGN, Construction and Management, by W. H. Shock. 4to. Van Nostrand, N.Y., \$15.

STEAM BOILERS: THEIR THEORY and Design, by H. de B. Parsons. 375 pp. Demy 8vo. 156 illus. 1903. Longmans, 10s. 6d.

THEORETICAL AND PRACTICAL Boiler-maker, by S. Nicholls (U.S.A.). Cr. 8vo. 267 pp. illus. 16 Plates. 1900. Paul, 10s. 6d.

TREATISE ON STEAM BOILERS: Strength, Construction and Working, by R. Wilson. 12mo. 5th ed. 328 pp. 22 ill. 1879. Lockwood, 6s.

TREATISE ON THE WORKING AND Management of Steam Boilers and Engines, by F. Colyer. Cr. 8vo. 2nd ed. Spon, 3s. 6d.

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WATER TUBE BOILERS: Report on Trials of H.M.S. *Hyacinth*, *Minerva* and *Saxonia*. illus. Eyre & Spottiswoode, 5s. 6d.

WORKING OF STEAM BOILERS, by E. G. Hiller. Demy 8vo. 98 pp. illus. 1902. Taylor & Co., Ltd., Manchester, 1s.

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(Strains and Stresses. See below.)

Calculus, Logarithms.

CALCULUS FOR ENGINEERS, by J. Perry, D.Sc. Cr. 8vo. 4th ed. 382 pp. 106 Illus. 1897. E. Arnold, 7s. 6d.

CALCULUS FOR ENGINEERS AND PHYSICISTS, by Professor R. H. Smith. Cr. 8vo. 176 pp. Diagrams and Plate. 1897. Griffin, 8s. 6d.

ELEMENTARY TREATISE ON THE CALCULUS, for Engineering Students, by J. Graham, B.A. Cr. 8vo. 2nd ed. 276 pp. 1900. Spon, 7s. 6d.

ELEMENTS OF THE DIFFERENTIAL AND INTEGRAL CALCULUS, by W. S. Hall. 8vo. Illus. Van Nostrand, N.Y., \$2.25.

PRACTICAL TRIGONOMETRY, for Engineers, etc., by H. Adams. Cr. 8vo. 60 pp. 1896. Whittaker, 2s. 6d.

SHORT LOGARITHMIC AND OTHER TABLES, by W. C. Unwin. Small 4to. 4th ed. Spon, 3s.

Chains, Cables.

CHAIN CABLES AND CHAINS, SIZES AND CURVES OF LINKS, by T. W. Traill. Folio. 1885. Lockwood, 42s.

Chemistry of Engineering.

CHEMISTRY OF ENGINEERING, Building and Metallurgy, by B. Blount and A. G. Bloxam. Large cr. 8vo. 244 pp. 35 Illus. 1900. Griffin, 10s. 6d.

CHEMISTRY OF MATERIALS OF ENGINEERING, by A. Humboldt Sexton. Cr. 8vo. 331 pp. 34 Illus. 1900. Technical Pub. Co., Manchester, 5s.

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ENGINEERING CHEMISTRY, by T. B. Stillmann. 2nd ed. 503 pp. 132 Illus. 1901. Chemical Pub. Co., Easton, Pa., \$4.50.

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CIVIL ENGINEER'S POCKET-BOOK, by J. C. Trautwine (U.S.A.). 12mo. 18th ed. 865 pp. 1904. Chapman, 21s.

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FIELD ENGINEERING: THEORY AND PRACTICE OF RAILWAY SURVEYING, LOCATION AND CONSTRUCTION, by W. H. Searles (U.S.A.). 12mo. 16th ed. 500 pp. 1895. Chapman, 12s. 6d.

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Costing.

COMMERCIAL MANAGEMENT OF Engineering Works, by F. G. Burton. Demy 8vo. 310 pp. 1899. Scientific Pub. Co., Manchester, 12s. 6d.

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THOMAS' AMERICAN MACHINERY, Iron, Steel and Metal Trades Refer-

ence Book. 12mo. Annual. Thomas Pub. Co., N. Y., \$10.

(Rules, Pocket-books. See below.)

Dies.

DIES: THEIR CONSTRUCTION AND Use for Modern Working of Sheet Metals, J. V. Woodworth. Med. 8vo. 384 pp. 505 illus. 1903. Low, 14s.

PRESS-WORKING OF METALS, by O. Smith (U.S.A.). 8vo. Chapman, 12s. 6d.

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ART OF ELECTRO-METALLURGY, including all known Processes of Electro-deposition, by G. Gore, LL.D. Fcp. 8vo. 397 pp. 56 illus. 1900. Longmans, 6s.

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(Estimates. See Costing.)

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BRIQUETTES AND PATENT FUEL: Their Manufacture and Machinery connected therewith, by P. R. Björling. Med. 8vo. 254 pp. 121 Illus. 1903. Rebman, 15s.

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COAL AND SPEED TABLES, for Engineers and Steam Users, by N. Foley. 12mo. 1884. Lockwood, 3s. 6d.

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PREVENTION OF SMOKE, COMBINED with the Economical Combustion of Fuel, by W. C. Popplewell, M.Sc. Demy 8vo. 190 pp. 46 illus. 1901. Scott, Greenwood, 7s. 6d.

(Boilers. See above. Steam and Heat. See below. Coal. Sect. 43.)

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GALVANISING AND TINNING, by W. T. Flanders (U.S.A.). Cr. 8vo. 93 pp. 40 illus. 1900. *Iron Age*, Hastings House, W.C., 8s. 6d.

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(Ordinance. See section 42.)

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CONVERSION OF HEAT INTO WORK, by Sir W. Anderson, F.R.S., D.C.L. Cr. 8vo. 4th ed. 275 pp. 62 Illus. 1890. Whittaker, 6s.

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THETA-PHI DIAGRAM, Practically Applied to Steam, Gas, Oil and Air Engines, by H. A. Golding. 123 pp. 48 Illus. 1898. Technical Pub. Co., Manchester, 3s.

(Steam Engines. See below.
Fuel. See above.)

Hydraulic Engineering.

CALCULATIONS IN HYDRAULIC Engineering, by T. C. Fidler. Part I. Fluid Pressure. Med. 8vo. 154 pp. 55 Illus. 1902. Longmans, 7s. 6d.

GRAPHICAL SOLUTION OF HYDRAULIC Problems, by F. C. Coffin (U.S.A.). 12mo. 34 Plates. 1897. Chapman, 10s. 6d.

HYDRAULIC AND OTHER TABLES for Purposes of Sewerage and Water Supply, by T. Hennel. Cr. 8vo. 2nd ed. 76 pp. 1901. Spon, 5s.

HYDRAULIC MACHINERY, by R. G. Blaine. Demy 8vo. 383 pp. 272 Illus. 1897. Spon, 14s.

HYDRAULIC MANUAL, by L. d'A. Jackson. Large cr. 8vo. 4th ed. 184 pp. 1883. Lockwood, 16s.

HYDRAULIC MOTORS AND TURBINES, by G. R. Bodmer. Cr. 8vo. 3rd ed. 582 pp. 204 Illus. 1901. Whittaker, 15s.

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HYDRAULIC TABLES FOR FINDING Mean Velocity and Discharge in Open Channels, by T. Higham. Super royal 8vo. 2nd ed. 1898. Spon, 7s. 6d.

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HYDRAULICS, with Working Tables, by E. S. Bellasis. Demy 8vo. 316 pp. 1903. Rivingtons, 16s.

NEW TABLES FOR THE COMPLETE Solution of Ganguillet and Kutter's Formula for the Flow of Liquid in Open Channels, Pipes, Sewers and Conduits, by E. C. S. Moore. Med. 8vo. 231 pp. 1 Plate. 1901. Batsford, 15s.

Hydraulic Engineering, continued.

PRACTICAL HYDRAULICS: Rules and Tables for Engineers, by T. Box. Cr. 8vo. 13th ed. 88 pp. 1902. Spon, 5s.

SIMPLE HYDRAULIC FORMULÆ, by T. W. Stone. Cr. 8vo. 82 pp. 9 Plates. 1881. Spon, 4s.

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TREATISE ON HYDRAULIC AND Water Supply Engineering, by J. T. Fanning. Med. 8vo. 15th ed. 650 pp. 1902. Van Nostrand, N.Y., \$5.

TREATISE ON HYDRAULICS, for Technical Schools, by M. Merriman (U.S.A.). Demy 8vo. 8th ed. 427 pp. 122 Illus. 1903. Chapman, 21s.

TREATISE ON HYDRODYNAMICS, by A. B. Basset. Vol. I. 8vo. 264 pp. 1888. 10s. 6d. Vol. II. 8vo. 328 pp. 1888. 12s. 6d. Bell.

WATER OR HYDRAULIC MOTORS, by P. R. Björling. Cr. 8vo. 287 pp. 206 Illus. 1894. Spon, 9s.

WATER POWER, by J. P. Frizell (U.S.A.). Demy 8vo. 563 pp. 1901. Chapman, 21s.

(Water. See section 71.)

Indicators.

ELEMENTARY TREATISE ON STEAM and Use of the Indicator, by J. C. Graham. 8vo. Spon, 9s.

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STEAM INJECTORS: Their Theory and Use, trans. from French of M. L. Pochet (U.S.A.). 18mo. 79 pp. Illus. Spon, 2s.

(Steam Engine. See below.)

(Iron Analysis. See section 41.)

Iron and Steel.

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IRON AND STEEL, by C. Hoare. 32mo. 9th ed. Lockwood, 6s.

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MANUFACTURE AND PROPERTIES of Iron and Steel by H. H. Campbell (U.S.A.). Royal 8vo. 862 pp. Illus. 1903. *Engineering and Mining Journal*, 21s.

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TABLES OF THE WEIGHT OF IRON and Steel, by C. H. Jordan. 32mo. 5th ed. 580 pp. Spon, 7s. 6d.

(Steel. See Metallurgy, sect. 41.)

Ironfounding.

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TURNING LATHES, for Technical Schools, ed. by J. Lukin, B.A. Cr. 8vo. 5th ed. 228 pp. 225 Illus. 1899. Simpkin, 3s.

(Lead. See section 41.)

Locomotives, Traction Engines.

BRITISH LOCOMOTIVES: History, Construction and Modern Development, by C. J. B. Cooke. Cr. 8vo. 3rd ed. 440 pp. 150 Illus. 1900. Whittaker, 7s. 6d.

BROKE DOWN: What Should I Do? for Locomotive Engineers and Firemen, by S. A. Alexander. 12mo. Van Nostrand, N.Y., \$1.50.

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HANDBOOK FOR LOCOMOTIVE Engineers and Machinists, by S. Norris. 12mo. 302 pp. Illus. Baird, Philadelphia, \$1.50.

HANDBOOK OF THE LOCOMOTIVE, by S. Roper. 12mo. 12th ed. 324 pp. Baird, Philadelphia, \$2.50.

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MACHINIST'S AND ENGINEER'S Pocket Manual, ed. by D. B. Dixon. 16mo. 425 pp. Laird & Lee, Chicago, \$1.

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(Lathes, Tools. See above. Mechanics. See below.)

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(See also **Mechanical Drawing**, p. 93.)

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AMERICAN MARINE ENGINEER, by E. Edwards. 440 pp. 85 Illus. Baird, Philadelphia, \$2.50.

ARITHMETICAL GUIDE FOR MARINE ENGINEERS, by J. Tod. Demy 8vo. 668 pp. 1903. J. Brown, 6s.

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MARINE ENGINEERS' GUIDE, for Board of Trade Examinations, by A. C. and E. W. I. Wannan. Large cr. 8vo. 2nd ed. 486 pp. Illus. 1901. Lockwood, 10s. 6d.

MARINE ENGINEERS' NEW AND Revised Elementary Questions by the Board of Trade, with Illustrated Answers, by A. C. Wannan. Cr. 8vo. 150 pp. 81 Illus. 1901. Whittaker, 3s. 6d.

MARINE ENGINEERS: Their Qualifications and Duties, by E. G. Constantine. Cr. 8vo. 312 pp. 77 Illus. 1897. Technical Pub. Co., Manchester, 5s.

MARINE ENGINES AND BOILERS, for Students, by G. C. V. Holmes. Large cr. 8vo. 134 pp. 69 Illus. 1893. Chapman, 3s.

MARINE ENGINES AND STEAM Vessels, by R. Murray and G. Carlisle. Cr. 8vo. 8th ed. Lockwood, 4s. 6d.

Marine Engineering, continued.

MARINE MOTORS AND MOTOR Launches, by E. W. Roberts, for Yachtsmen. 16mo. Rudder Pub. Co., N.Y., \$1.

MARINE PROPELLERS, by S. W. Barnaby. Demy 8vo. 4th ed. 187 pp. 61 Illus. 6 Plates. 1900. Spon, 10s. 6d.

MARINE STEAM ENGINE: Its Construction, etc., by C. Busley. Vol. I. 4to. 2 Parts. Text and 63 Plates. 1902. Grevel, 40s.

MARINE STEAM ENGINE, for Students and Officers, by R. Sennett and H. J. Oram. Royal 8vo. 6th ed. 532 pp. 414 Illus. 1902. Longmans, 21s.

MARINE STOKERS' GUIDE TO THE Firing and Care of Steam Boilers, by "Vulcan". Cr. 8vo. 126 pp. 25 Illus. 1903. Simpkin, 2s.

MODERN AMERICAN MARINE Engines, Boilers and Screw Propellers: Their Design and Construction, by E. Edwards. 4to. 146 pp. 30 Plates. Baird, Philadelphia, \$5.

MODERN MARINE COMPOUND Engine Diagram, for Schools, 26 in. x 36 in. Bacon, 4s. 6d.

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POCKET-BOOK OF MARINE ENGINEERING: Rules and Tables for Marine Engineers, Naval Architects, etc., by A. E. Seaton. 12mo. 7th ed. 1903. Griffin, 8s. 6d.

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PRACTICAL MARINE ENGINEERING for Marine Engineers and Students, by W. F. Durand (U.S.A.). Large 8vo. 720 pp. 1902. Spon, 21s.

REED'S USEFUL HINTS TO SEA-GOING Engineers: How to Repair, etc. Cr. 8vo. 4th ed. 312 pp. 50

Diagrams. 8 Plates. 1903. Simpkin, 3s. 6d.

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RESISTANCE OF SHIPS AND SCREW Propulsion, by D. W. Taylor. Med. 8vo. 240 pp. 73 Illus. 1893. Whitaker, 15s.

SCREW PROPELLERS AND MARINE Propulsion, by J. McKim Chase (U.S.A.). Demy 8vo. 230 pp. 17 Illus. 31 Plates. 1895. Chapman, 12s. 6d.

STEAM AND THE MARINE STEAM Engine, by J. Yeo. Med. 8vo. Illus. Macmillan, 7s. 6d.

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TEXT-BOOK OF MARINE ENGINEERING, with Supplement, Belleville Boiler, etc., by A. E. Tompkins. Demy 8vo. 282 pp. 142 Illus. 1898. Simpkin, 7s. 6d.

TEXT-BOOK ON MARINE MOTORS, by E. du Boulay. Imp. 8vo. 148 pp. 90 Illus. 1902. Yachtsman, 10s. 6d.

TRIPLE AND QUADRUPLE EXPANSION Engines and Boilers, and their Management, by A. R. Leask. Cr. 8vo. 4th ed. 306 pp. 74 Illus. 1902. Simpkin, 5s.

VERBAL NOTES AND SKETCHES for Marine Engineers, by J. W. Sothorn. Demy 8vo. 3rd ed. 200 pp. 1902. Whittaker, 4s. 6d.

(Shipbuilding. See below. Nautical Books. See section 46.)

Materials in Engineering.

CONSTRUCTIONAL IRON AND STEEL Work, for Buildings, by F. Campin. 12mo. 286 pp. 1896. Lockwood, 3s. 6d.

ELASTICITY AND RESISTANCE OF Materials of Engineering, by W. H. Burr (U.S.A.). 5th ed. 760 pp. Chapman, 21s.

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MATERIALS OF ENGINEERING, by R. H. Thurston (U.S.A.). 3 vols. Demy 8vo. Vol. I. Non-metallic Materials of Engineering (Stone, Timber, Fuel, Lubricants, etc.). 4th ed. 364 pp. 78 Illus. 1893. 8s. 6d. Vol. II. Iron and Steel. 7th ed. 714 pp. 138 Illus. 1898. 15s. Vol. III. Brasses, Bronzes and other Alloys. 2nd ed. 575 pp. 40 Illus. 1893. 10s. 6d. Chapman.

MECHANICAL ENGINEERING MATERIALS: Their Properties, Treatment and Construction, by E. C. R. Marks. Cr. 8vo. 52 pp. 43 Illus. 1893. Technical Pub. Co., Manchester, 1s. 6d.

PRACTICAL TREATISE ON STRENGTH of Materials, including their Elasticity and Resistance to Impact, by T. Box. Cr. 8vo. 4th ed. 538 pp. 1902. Spon, 12s. 6d.

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STRENGTH OF MATERIALS, by J. A. Ewing. Royal 8vo. 2nd ed. 260 pp. 1903. C. J. Clay, 12s.

STRENGTH OF MATERIALS: Elementary Text-book for Manual Training Schools, by M. Merriman (U.S.A.). 12mo. 2nd ed. 1898. Chapman, 4s. 6d.

STRENGTH OF MATERIALS AND Structures, by Sir J. Anderson. Fcp. 8vo. 12th ed. 307 pp. 66 Illus. 1897. Longmans, 3s. 6d.

TESTING AND STRENGTH OF MATERIALS OF CONSTRUCTION, by W. C. Popplewell, M.Sc. Demy 8vo. 404 pp. 193 Illus. 1901. Scientific Pub. Co., Manchester, 10s. 6d.

TESTING OF MATERIALS OF CON-

STRUCTION, for Engineering Laboratories, by W. C. Unwin. Demy 8vo. 2nd ed. 455 pp. 188 Illus. 5 Plates. 1899. Longmans, 16s.

THEORY OF STRUCTURES AND Strength of Materials, by H. T. Bovey, M.A. (U.S.A.). Royal 8vo. 2nd ed. 818 pp. 505 Illus. Chapman, 31s. 6d.

TREATISE ON THE STRENGTH OF Materials, by P. Barlow; ed. by W. Humber. Demy 8vo. 2nd ed. 400 pp. 19 Plates. Lockwood, 18s.

(See also Architecture, section 3.)

Mechanical Drawing.

DESCRIPTIVE TREATISE ON MATHEMATICAL Drawing Instruments: Their Construction, Use and Qualities, with Hints on Drawing and Colouring, by W. F. Stanley. Cr. 8vo. 7th ed. Spon, 5s.

DRAWING FOR MACHINISTS AND Engineers, by E. A. Davidson. 12mo. 142 pp. 47 Illus. 1901. Cassell, 4s. 6d.

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(See also Machine Drawing, p. 90.)

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FOWLER'S MECHANICAL ENGINEERS' Pocket-book. Pott 8vo. 387 pp. Illus. 1901. Scientific Pub. Co., Manchester, 1s. 6d.

GOVERNORS AND GOVERNING Mechanism, by H. R. Hall. Cr. 8vo. 128 pp. 1903. Technical Pub. Co., Manchester, 2s. 6d.

GRAPHICS, OR THE ART OF CALCULATION by Drawing Lines, Applied to Mechanical Engineering, by R. H. Smith. Part I. with Atlas of 29 Plates. Demy 8vo. 257 pp. 1889. Longmans, 15s.

HANDBOOK FOR MECHANICAL Engineers, by H. Adams. Cr. 8vo. 4th ed. 398 pp. 1897. Spon, 7s. 6d.

HANDBOOK ON ENGINEERING, by H. C. Tully. 12mo. 2nd ed. 800 pp. 300 illus. 1902. H. C. Tully & Co., St. Louis, \$3.50.

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MECHANICAL ENGINEERING OF Power Plants, by F. R. Hutton (U.S.A.). Demy 8vo. 725 pp. 512 illus. 1897. Chapman, 21s.

MECHANICAL ENGINEER'S REFER-

ENCE Book, by N. Foley. Part I. General Engineering Data. Part II. Boiler Construction. Folio. 2nd ed. 51 Plates. Lockwood, 63s.

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MECHANICAL MOVEMENTS, Powers, Devices and Appliances Used in Constructive and Operative Machinery and Mechanical Arts, by G. D. Hiscox. Demy 8vo. 2nd ed. 404 pp. 1800 illus. 1903. Low, 12s. 6d.

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TEXT-BOOK OF MECHANICAL ENGINEERING, by W. J. Lineham. Demy 8vo. 7th ed. Part I. Workshop Practice. Part II. Theory and Examples. 1066 pp. 901 illus. 1904. Chapman & Hall, 12s. 6d.

(See *Engineering Workshops and Machine Construction* above, and *Rules, Pocket-Books* below.)

Mechanics.

APPLICATION OF GRAPHIC METHODS to the Design of Structures, by W. W. F. Pullen. Cr. 8vo. 321 pp. 143 illus. 1896. Technical Pub. Co., Manchester, 6s.

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BALANCING OF ENGINES, by W. E. Dalby, M.A., B.Sc. Demy 8vo. 283 pp. 173 illus. 1902. E. Arnold, 10s. 6d.

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ELEMENTARY PRACTICAL MECHANICS, by J. F. Twisden, M.A. Cr. 8vo. 6th ed. 339 pp. 183 illus. 1898. Longmans, 10s. 6d.

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ESSENTIAL ELEMENTS OF PRACTICAL Mechanics, for Engineering Students, by O. Byrne. Post 8vo. 4th ed. Illus. Spon, 7s. 6d.

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KINEMATICS, OR PRACTICAL Mechanism, for Draughtsmen, Machinists and Students, by C. W. MacCord (U.S.A.). Demy 8vo. 4th ed. 335 pp. 36 illus. 1893. Chapman, 21s.

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RESEARCHES IN GRAPHICAL STATICS, by H. T. Eddy. 8vo. Van Nostrand, N.Y., \$1.50.

STATICALLY INDETERMINATE Structures and the Principle of Blast Work, by H. M. Martin. Cr. 8vo. 72 pp. Illus. 1895. *Engineering*, 4s.

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METAL WORKER'S PATTERN BOOK : Principles and Practice of Pattern Cutting as Applied to Sheet Metal Work, by Geo. W. Kittredge (U.S.A.). 4to. 429 pp. 744 Illus. 1901. *Iron Age*, Hastings House, W.C., 21s.

METAL WORKER'S HANDY BOOK of Receipts and Processes, by W. T. Brannt and W. H. Wahl (U.S.A.). Cr. 8vo. 538 pp. 63 Illus. 1890. Low, 12s. 6d.

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BRITISH STANDARD SECTIONS, Issued by Engineering Standards Committee. Imp. 8vo. 1903. W. Clowes, 1s.

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(See also p. 97.)

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SECTION 22.

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LAW RELATING TO FACTORIES AND Workshops, by M. E. Abraham and A. L. Davies. Demy 8vo. 4th ed. 1902. Eyre & Spottiswoode, 5s.

LAW RELATING TO FACTORIES AND Workshops, by E. Austin. Cr. 8vo. 2nd ed. 1902. Knight, 7s. 6d.

LAW RELATING TO FACTORIES AND Workshops as Amended by Act of 1901, by W. Bowstead. 8vo. 1901. Sweet & Maxwell, 9s.

OUR FACTORIES, WORKSHOPS AND Warehouses: Their Sanitary and Fire-resisting Arrangements, by B. H. Thwaite. Cr. 8vo. Spon, 9s.

PREVENTION OF FACTORY ACCIDENTS, by J. Calder. Cr. 8vo. 325 pp. 124 illus. 20 Tables. 1899. Longmans, 7s. 6d.

REDGRAVE'S FACTORY ACTS, by H. S. Scrivener, M.A., and C. F. Lloyd. 9th ed. 1902. Butterworth, 7s. 6d.

TABULATION OF THE FACTORY Laws of European Countries, by E. Brooke. 8vo. 1898. Clowes, 2s. 6d.

(Engineering Workshops.
See section 21.)

Workmen's Compensation, Employers' Liability.

ACCIDENTS TO WORKMEN, EMPLOYERS' LIABILITY ACT, 1880, Workmen's Compensation Act, 1898, by R. Minton-Senhouse and G. F. Emery. Demy 8vo. 380 pp. 1898. E. Wilson, 18s.

COMPENSATION TO WORKMEN ACT, 1897, by W. A. Willis, LL.B. Post 8vo. 7th ed. 215 pp. 1901. Butterworth, 2s. 6d.

EMPLOYERS' LIABILITY ACT, 1880, with other Acts, by A. H. Ruegg. Post 8vo. 489 pp. 1901. Butterworth, 12s. 6d.

EMPLOYERS' LIABILITY UNDER THE Workmen's Compensation Act, 1897, and Employers' Liability Act, 1880, by A. Robinson and J. D. Stuart. Royal 12mo. 2nd ed. 1898. Stevens & Sons, 7s. 6d.

HANDBOOK TO WORKMEN'S COMPENSATION ACT, 1897, with Addendum on Workmen's Compensation Act, 1900, by R. M. Minton-Senhouse and G. F. Emery. Cr. 8vo. 184 pp. Bemrose, 1s. boards.

LAW AND PRACTICE RELATING TO Workmen's Compensation and Employers' Liability, by W. E. Hill, M.A. Demy 8vo. 370 pp. 1898. Waterlow, 8s. 6d.

LAW RELATING TO WORKMEN'S Compensation under Acts of 1897 and 1900, by W. Bowstead. 8vo. 1901. Sweet & Maxwell, 10s.

OUTLINE OF LAW RELATING TO Workmen's Compensation Act, under Acts 1897 to 1900, by W. Bowstead. Cr. 8vo. 64 pp. 1902. Simpkin, 1s.

WORKMEN'S COMPENSATION ACT, 1897, with Introduction and Notes, by A. Taylor, M.A., LL.B. Cr. 8vo. 105 pp. 1898. Hodge & Co., Glasgow, 2s. 6d.

WORKMEN'S COMPENSATION ACT, by Roberts-Jones. 5th ed. 1902. 49 Clude Road, Cardiff, 2s. 6d.

WORKMEN'S COMPENSATION ACT, 1897, by W. A. Willis. Cr. 8vo. 6th ed. 262 pp. 1899. Butterworth, 3s. 6d.

WORKMEN'S COMPENSATION ACTS, 1897 and 1900, by A. Elliott. Cr. 8vo. 2nd ed. 410 pp. 1901. Stevens & Haynes, 7s. 6d.

WORKMEN'S COMPENSATION CASES, being Reports of Cases Decided under Workmen's Compensation Acts, by R. M. Minton-Senhouse. Vol. IV. 8vo. 1902. Vol. V. 1903. Clowes, 6s. each.

(Wages Tables. See section 11.)

SECTION 23.

FINANCIAL.

(Banking. See section 7.)

Investments.

BRITISH RAILWAY FINANCE: Guide to Investors, by W. W. Wall. 8vo. 422 pp. 1902. Richards, 6s.

HANDBOOK OF SOUTH AFRICAN MINES. 16mo. 397 pp. 1902. E. Wilson, 5s.

HOW TO INVEST IN MINES, by E. R. Gabbott. Cr. 8vo. 2nd ed. 91 pp. 1896. E. Wilson, 2s. 6d.

HOW TO INVEST IN RAILWAYS, by W. W. Wall. Cr. 8vo. 422 pp. 1903. Richards, 6s.

HOW TO INVEST MONEY, by E. R. Gabbott. 12mo. 82 pp. E. Wilson, 1s. limp.

INVESTMENT AND SPECULATION IN British Railways, by W. J. Stevens. Cr. 8vo. 262 pp. and Tables. 1902. E. Wilson, 4s.

INVESTMENT TABLES, SHOWING Actual Interest or Profit per cent. per Annum. E. Wilson, 2s.

INVESTORS' TABLES FOR ASCERTAINING the True Return of Interest, by T. M. P. Hughes. E. Wilson, 6s. 6d.

LAW OF SALES OF STOCKS AND Shares, by C. F. Stallard, M.A. Fcp. 8vo. 181 pp. 1897. Clement Wilson, 2s. 6d.

MANUAL OF RAILROADS OF THE United States and other Investment Securities, by H. V. and H. W. Poor. 70 Maps. Annual. E. Wilson, 45s.

MATHIESON'S HANDBOOK FOR Investors. Annual. 12mo. 1902. Mathieson, 2s. 6d.

Investments, continued.

MINING MANUAL. Annual, by W. R. Skinner. Demy 8vo. Skinner, 21s.

MONEY MARKET PRIMER, by G. Clare. Demy 8vo. 2nd ed. 150 pp. 1902. E. Wilson, 5s.

PRACTICAL HINTS TO INVESTORS, by A. J. Wilson. Cr. 8vo. 2nd ed. 102 pp. 1897. Clement Wilson, 1s. 6d.

REGISTERED MONEY LENDERS, 1901, with Copy of Money Lenders Act. 175 pp. Argus Printing Co., 2s. 6d.

SHAREHOLDERS, DIRECTORS AND Voluntary Liquidators' Legal Companion, by F. B. Palmer. 12mo. 20th ed. 1901. Stevens & Sons, 2s. 6d.

SHAREHOLDER'S HANDBOOK, by F. W. Pixley. 2nd ed. H. Good & Son, 2s. 6d.

TABLES FOR FINDING HALF-YEARLY Rate of Interest from 1½ per cent. Upwards, Realised on Stock or Bonds, by Lieut.-Col. W. H. Oakes. Imp. 8vo. Layton, 10s. 6d.

TREATISE ON LAW RELATING TO Debentures and Debenture Stock, by P. F. Simonson, M.A. Royal 8vo. 3rd. ed. 521 pp. 1902. E. Wilson, 21s.

WILSON'S HANDBOOK TO SOUTH African Mines, etc. : Guide to Kaffir Market. Cr. 8vo. 1902. E. Wilson, 5s. boards.

Stockbroking.

BROKER'S CORRESPONDENT : Letter Writer for Stock Exchange Business, by J. Martin. Cr. 8vo. 68 pp. E. Wilson, 1s.

DICTIONARY OF STOCK EXCHANGE Terms, by W. G. Cordingley. Cr. 8vo. 95 pp. 1901. E. Wilson, 2s. 6d.

ENGLISH AND FRENCH EXPLANATORY Dictionary of Terms and Phrases Relating to Finance, Stock Exchange and Gold Mining, by M. A. Meliot. Cr. 8vo. 246 pp. 1896. E. Wilson, 5s.

GLOSSARY OF COLLOQUIAL, SLANG and Technical Terms in Use on Stock Exchange and Money Market,

by A. J. Wilson. Cr. 8vo. 210 pp. 1895. Clement Wilson, 3s.

GUIDE TO STOCK EXCHANGE, by W. G. Cordingley. 12mo. 130 pp. 1901. E. Wilson, 2s.

KEY TO RULES OF STOCK EXCHANGE, by F. Chiswell. Demy 8vo. 183 pp. 1902. E. Wilson, 7s. 6d.

RAPID SHARE CALCULATOR FOR Calculating ¼ths, ⅕ths and ⅙ths, by E. de Segundo, on a card. E. Wilson, 10s. 6d.

REGISTRATION OF TRANSFERS OF Transferable Stocks, Shares and Securities, by G. & G. F. M. Ennis. Demy 8vo. 128 pp. 1893. E. Wilson, 7s. 6d.

RULES AND USAGES OF STOCK Exchange, by G. H. Stutfield and H. S. Cautley. Demy 8vo. 3rd ed. 214 pp. 1901. E. Wilson, 6s.

STOCKBROKER'S HANDBOOK, by E. E. Kennedy. 12mo. 6th ed. 68 pp. 1900. E. Wilson, 1s. limp.

STOCK EXCHANGE OFFICIAL INTELLIGENCE. Royal 8vo. 2144 pp. Annual. Spottiswoode & Co., 50s.

UNITED KINGDOM STOCK AND Sharebrokers' Directory, 1901-2. Demy 8vo. 216 pp. Spottiswoode & Co., 4s. 6d.

(Trust Funds. Section 40.)

(First Aid. See section 32.)

(Fish. See section 24.)

SECTION 24.**FOODS AND BEVERAGES.****Adulteration and Analysis.**

ADULTERATION ACTS, by F. W. Beech. Demy 8vo. 4th ed. 56 pp. 1900. Federation of Grocers' Assistants, 6d. paper.

ADULTERATION OF FOOD, by D. C. Bartley. Royal 12mo. 1899. Stevens & Sons, 8s.

AIDS TO THE ANALYSIS OF FOOD and Drugs, by T. H. Pearmain and C. G. Moor. Cr. 8vo. 2nd ed. 206 pp. 1899. Baillière, 3s. 6d.

ANALYSIS OF FOODS AND DRUGS, by T. H. Pearmain and C. G. Moor, M.A. Part I. Milk and Milk Products. 132 pp. 1897. 5s. Part II.

Chemical and Biological Examination of Water. 172 pp. 91 illus. 1899. 5s. paper. Bailliére.

CHEMISTRY OF FOODS, with Microscopic Illustrations, by J. Bell. Part I. Tea, Coffee, Cocoa, Sugar, etc. Large cr. 8vo. Chapman, 2s. 6d.

FLESH FOODS, for Analysts and Inspectors, by C. A. Mitchell. Cr. 8vo. 58 illus. 1 Plate. 336 pp. 1900. Griffin, 10s. 6d.

FOOD ADULTERATION AND ITS Detection, by J. P. Battershall, Ph.D. (U.S.A.). Plates. 1887. Spon, 15s.

FOOD AND DRUGS ADULTERATION, Consolidation of Various Acts, by C. J. Higginson. Cr. 8vo. 2nd ed. 203 pp. 1902. E. Wilson, 3s. 6d.

FOOD INSPECTOR'S HANDBOOK, by F. Vacher. Cr. 8vo. 3rd ed. 195 pp. 58 illus. 1900. Sanitary Pub. Co., 3s. 6d.

FOODS: THEIR COMPOSITION AND Analysis, by A. W. Blyth, M.R.C.S., and M. W. Blyth, B.A., B.Sc. Demy 8vo. 5th ed. 740 pp. 81 illus. and Plates. 1903. Griffin, 21s.

LAW AND CHEMISTRY RELATING to Food and Drugs, by H. M. Robinson, LL.D., and C. H. Cribb, B.Sc. Cr. 8vo. Rebman, 6s.

LAW RELATING TO ADULTERATION of Food, by J. Macauley. Cr. 8vo. 1895. Clowes, 3s. 6d.

REPORT OF DEPARTMENTAL COMMITTEE on Use of Preservatives and Colouring Matters in Foods. Eyre & Spottiswoode, 4s. 3d.

SECOND TREATISE ON THE EFFECTS of Borax and Boric Acid on the Human System, by Dr. O. Liebreich, trans. from German. Med. 8vo. 87 pp. 5 Col. Plates. 1902. Churchill, 2s. 6d.

SELECT METHODS IN FOOD ANALYSIS, by H. Leffmann, M.D., and W. Beam (U.S.A.) Large cr. 8vo. 383 pp. 4 Plates. 53 illus. 1901. Rebman, 11s.

MICROSCOPICAL EXAMINATION OF Foods and Drugs, by H. G. Greenish. Royal 8vo. 346 pp. 168 illus. 1903. Churchill, 10s. 6d.

SIMPLE METHODS FOR DETECTING Food Adulteration, by J. A. Bower.

Cr. 8vo. 118 pp. 36 illus. 1895. S.P.C.K., 2s.

Aerated Beverages.

MINERAL WATER MANUFACTURERS' Accounts. Demy 8vo. 1902. Gee. 3s. 6d.

SODA FOUNTAIN REQUISITES OF Modern Times, ed. by G. H. Dubelle. Cr. 8vo. 2nd ed. 158 pp. 1901. Spon, 5s.

Bread-making.

BAKERS' GUIDE, by J. Blandy. Demy 8vo. 4th ed. 242 pp. 1899. Newton & Eskell, 2s. 6d.

BAXTER'S UP-TO-DATE RECIPE Book for Bakers. Laird & Lee, Chicago, \$1.50.

BREAD AND BISCUIT BAKER'S AND Sugar Boiler's Assistant, by R. Wells. Cr. 8vo. 3rd ed. 122 pp. 1896. Lockwood, 2s.

BREAD ANALYSIS, by J. A. Wanklyn and W. J. Cooper. Cr. 8vo. 78 pp. 1886. Kegan Paul, 5s.

BREAD, BAKEHOUSES AND BACTERIA, by F. J. Waldo, M.A., M.D., and D. Walsh, M.D. Large cr. 8vo. 65 pp. 1895. Bailliére, 2s.

ELEMENTARY PRINCIPLES OF Breadmaking, by J. Goodfellow. Cr. 8vo. 196 pp. 75 illus. 1895. Baker and Confectioner, 3s.

GUIDE TO BOOK-KEEPING, for Bakers, by W. H. Rippin. MacLaren, 1s. 6d.

MODERN PRACTICAL BREAD BAKER, by R. Wells. Cr. 8vo. 140 pp. Abel Heywood, Manchester, 2s. 6d.

PRACTICAL BREADMAKING, by F. T. Vine. 2nd ed. 222 pp. 168 illus. 1900. Baker and Confectioner, 3s.

PRINCIPLES OF BREADMAKING: an Introduction to the Study of the Principles of Breadmaking, by W. Jago. Cr. 8vo. 134 pp. 18 illus. 1889. MacLaren, 2s.

SCIENCE AND ART OF BREADMAKING, and Chemistry and Testing of Wheat Flour, by W. Jago. Demy 8vo. 648 pp. 14 Plates. 81 illus. 1895. Simpkin, 15s.

SELECTED RECIPES FOR THE BAKING Trade. Cr. 8vo. 136 pp. illus. 1901. MacLaren, 2s. 6d. limp.

Cakes, Confectionery, Pastry.

BREAD, CAKES AND BUNS, by R. Wells. Handbook for Bakers and Confectioners. Cr. 8vo. 70 pp. Illus. 1904. Simpkin, 1s.

BUNS AND BOARD MIXTURES, by F. T. Vine. 1902. *Baker and Confectioner*, 2s. 6d.

CAKES, AND HOW TO MAKE THEM, by F. T. Vine. Cr. 8vo. 2nd ed. 262 pp. 99 Illus. 1901. MacLaren, 3s. 6d.

CAKE DECORATION, by R. Gomez. 8vo. 96 pp. 59 Illus. 1899. *Baker and Confectioner*, 2s. 6d.

CAKE DECORATION, by Ernest Schulze. 4to. 88 pp. 94 Illus. 1901. MacLaren, 5s.

GUNTER'S MODERN CONFECTIONER and Biscuit Baker, by W. Jeanes. Cr. 8vo. 16th ed. 308 pp. 1900. Dean, 3s. 6d.

HINTS ON MODERN CAKEMAKING, by G. D. Lynn. Cr. 8vo. 232 pp. Illus. MacLaren, 3s. 6d.

ICES: PLAIN AND DECORATED, by F. T. Vine. Large cr. 8vo. 96 pp. 6 Plates. MacLaren, 2s.

MODERN FLOUR CONFECTIONER, by R. Wells. Post 8vo. 1891. Lockwood, 2s.

MODERN PRACTICAL CONFECTIONER, by W. C. Butler. 16mo. 98 pp. 1898. Simpkin, 1s.

ORNAMENTAL CONFECTIONERY, by R. Wells. Cr. 8vo. 2nd ed. 129 Designs. Lockwood, 5s.

PASTRYCOOK AND CONFECTIONER'S Guide, by R. Wells. Cr. 8vo. 2nd ed. 1892. Lockwood, 2s.

PIPING AND ORNAMENTATION, by R. Gomez. Cr. 8vo. 104 pp. 67 Illus. 1895. *Baker and Confectioner*, 7s. 6d.

PRACTICAL PASTRY, by F. T. Vine. Cr. 8vo. 2nd ed. 212 pp. 100 Illus. 1898. *Baker and Confectioner*, 2s. 6d.

SAVOURY PASTRY, by F. T. Vine. Cr. 8vo. 192 pp. 107 Illus. 1900. *Baker and Confectioner*, 2s. 6d.

SLAB CAKES, by F. Houghton. Cr. 8vo. 112 pp. Illus. 1901. *Baker and Confectioner*, 3s. 6d.

Catering, Hotels.

PRACTICAL HOTEL MANAGEMENT, including Notes and Comments on Hotel Law. Demy 8vo. 3rd ed. 203 pp. 1899. Newton & Eskill, 2s. 6d. paper.

Coffee.

COFFEE AND INDIA-RUBBER CULTURE in Mexico, by M. Romers (U.S.A.). 8vo. Putnam, 14s.

COFFEE: ITS CULTURE AND COMMERCE in all Countries, by C. G. W. Lock. Cr. 8vo. 264 pp. 11 Plates. 1888. Spon, 12s. 6d.

COFFEE PLANTER'S MANUAL, for both Arabian and Liberian Species, by J. Ferguson. 8vo. 4th ed. 320 pp. Illus. Luzac, 4s. 6d.

(Dairy Farming. See Sect. 1.)

Fish.

AMATEUR FISH CULTURE, by C. E. Walker. Cr. 8vo. 108 pp. 1901. Constable, 2s. 6d.

AMERICAN FISH CULTURE; Trout, Salmon, Shad, etc., by T. Norris. 12mo. Illus. H. T. Coates & Co., Philadelphia, \$1.75.

BRITISH FRESH WATER FISH, by Rt. Hon. Sir H. Maxwell. 12 coloured Plates. Illus. Cr. 4to. 1903. Hutchinson, 12s. 6d.

BRITISH SALT WATER FISHES, by F. G. Afalo, W. Senior and F. B. Marston. Coloured Plates. 1903. Hutchinson, 12s. 6d.

EDIBLE MOLLUSCA OF GREAT Britain and Ireland, with Recipes for Cooking Them, by M. S. Lovell. Cr. 8vo. 2nd ed. 310 pp. 12 coloured Plates. Lovell Reeve, 9s.

HISTORY OF THE OYSTER AND Oyster Fisheries, by T. C. Eyton. 8vo. 40 pp. 6 Plates. 1858. Gurney & J., 5s.

LAW RELATING TO SALMON FISHERIES of England and Wales, by J. W. W. Bund, M.A., LL.B. Demy 8vo. 632 pp. 1876. Butterworth, 16s.

LETTERS TO YOUNG SEA FISHERS, by J. Bickerdyke. Large cr. 8vo. 337 pp. 126 Illus. 1898. Horace Cox, 7s. 6d.

LIST OF BOOKS RELATING TO FISH, Fishing and Fisheries, 1883-1900. Demy 8vo, interleaved. 1901. Sampson Low, 1s.

MAKING A FISHERY, by F. M. Halford. Demy 8vo. 212 pp. 1895. Horace Cox, 7s. 6d.

MODERN FISH CULTURE, Fresh and Salt Water, by F. Mather. Cr. 8vo. 333 pp. Illus. 1900. Forest & Stream Pub. Co., N.Y.

PRACTICAL MANAGEMENT OF FISHERIES, by F. Francis. Post 8vo. 110 pp. Illus. 1883. Horace Cox, 3s. 6d.

Flour, Grain.

CORN TRADE INVOICE CLERK, by H. Richter. E. Wilson, 1s.

FLOUR MANUFACTURE, by F. Kick; trans. by H. H. P. Powles. Royal 8vo. 367 pp. 167 Illus. 28 Plates. 1888. Lockwood, 25s.

FOOD-GRAINS OF INDIA, by A. H. Church. 4to. 1902. Chapman, 6s.

GRAIN AND FLOUR TABLES, McCorquodale, 1s.

GRAIN, FLOUR, HAY, ETC., MERCHANTS' ACCOUNTS. Demy 8vo. 1902. Gee & Co.

MEYER'S STANDARD GRAIN TELEGRAPH Code. Palmer, Howe, Manchester, 35s.

MODERN FLOUR MILLING, by W. R. Voller. Demy 8vo. 3rd ed. 484 pp. 122 Illus. 1897. *Baker and Confectioner*, 10s. 6d.

PRACTICAL HINTS ON FLOUR, by W. T. Bates. Cr. 8vo. 68 pp. 1899. *Baker and Confectioner*, 1s.

READY RECKONER FOR MILLERS, Corn Merchants and Farmers, by W. S. Hutton. Cr. 8vo. 2nd ed. Lockwood, 2s.

ROLLER MILL AND SILO MANUAL: Notebook for Millers and Millwrights, by J. Donaldson. Cr. 8vo. 2nd ed. 174 pp. 1901. Simpkin, 4s. 3d.

STANDARD ENGLISH AND FOREIGN Corn Calculator, by E. A. P. Burt. Demy 8vo. 150 pp. Rider, 4s.

Food and Drugs Acts.

SALE OF FOOD AND DRUGS ACTS, 1875-1899, by M. S. Howman. 145 pp. 1901. W. Green & Sons, Edinburgh, 5s.

SALE OF FOOD AND DRUGS ACTS, with Notes, by T. C. H. Hedderwick, M.A. Demy 8vo. 2nd ed. Eyre & Spottiswoode, 7s. 6d.

SALE OF FOOD AND DRUGS ACTS, 1875-1899, by Sir W. J. Bell, LL.D., and H. S. Scrivener, B.A. Post 8vo. 3rd ed. 276 pp. 1900. Butterworth, 7s. 6d.

(Adulteration and Analysis.

See above.)

Foods.

CLASSIFICATION OF FOOD STUFFS Chart, by J. J. Pilley. Gill, 5s.

DIET IN RELATION TO AGE AND Activity, by Sir H. Thompson. Cr. 8vo. 1902. Warne, 2s. 6d.

DISINFECTION AND PRESERVATION of Food, by S. Rideal, D.Sc. Royal 8vo. 500 pp. 1904. Sanitary Pub. Co., 15s.

FAMOUS FOODS, DRINKS AND Drugs: Their Muscle-making, Fat-producing and Curative Properties, by C. H. Woolf. 8vo. 1903. Gutenberg Press, 1s. paper.

FOOD AND FEEDING, by Sir H. Thompson. Cr. 8vo. 11th ed. 1902. Warne, 5s.

FOOD AND ITS FUNCTIONS, for Students of Cookery, by J. Knight, M.A., B.Sc. Cr. 8vo. Blackie, 2s. 6d.

FOOD AND ITS PREPARATION, by W. T. Greenup. Fcp. 8vo. 4th ed. 221 pp. 20 Lectures. Bemrose, 1s. 6d.

FOOD AND THE PRINCIPLES OF Dietics, by R. Hutchison, M.D. Demy 8vo. 566 pp. Illus. 1900. E. Arnold, 16s.

FOOD SUPPLY, by R. Bruce, and Appendix on Preserved Foods, by C. A. Mitchell. Large cr. 8vo. 160 pp. 76 Illus. 1898. Griffin, 4s. 6d.

MANUFACTURE OF PRESERVED Foods and Sweetmeats, trans. from German of A. Hausner. Cr. 8vo. 225 pp. 28 Illus. 1902. Scott, Greenwood, 7s. 6d.

RECIPTS FOR FLUID FOODS: 14 Recipes, by M. and J. F. Bullar, M.B. 18mo. 20 pp. 1887. Lewis, 1s.

Meat.

DOUGLAS'S *ENCYCLOPEDIA*, for Bacon Curers, Sausage and Pork Pie-makers and Inspectors. Demy 4to. 403 pp. Illus. 1901. Douglas & Sons, Putney, S.W., 7s. 6d.

PORK BUTCHER'S GUIDE. Sq. 12mo. 5th ed. 117 pp. 1892. *Grocer's Gazette*, 1s. boards.

PRACTICAL BUTCHERING, by W. H. Major. 1903. W. H. Major, Folkestone, 2s. 6d.

THOMAS' AMERICAN PRODUCE Trades Reference Book. 12mo. Thomas Pub. Co., N.Y., \$3.

(Refrigeration. See p. 98.)

Sugar.

AMERICAN SUGAR INDUSTRY; Production of Sugar Beets and Sugar Cane, by H. Myrick (U.S.A.). Demy 8vo. 224 pp. Illus. 1899. Kegan Paul, 7s. 6d.

HANDBOOK FOR SUGAR MANUFACTURERS and their Chemists, by G. L. Spencer (U.S.A.). 12mo. 3rd ed. 243 pp. Chapman, 8s. 6d.

INTRODUCTORY MANUAL FOR SUGAR Growers, by F. Watts. Cr. 8vo. 151 pp. 20 Illus. 1893. Longmans, 6s.

MANUAL OF SUGAR ANALYSIS, by Dr. J. H. Tucker. 8vo. Illus. Van Nostrand, N.Y., \$3.50.

ON CANE SUGAR AND THE PROCESS of its Manufacture in Java, by H. C. Prinsen Geerligs. 8vo. 2nd ed. 120 pp. 1904. Simpkin, 5s.

SUGAR ANALYSIS, by F. G. Wiechmann (U.S.A.). Large cr. 8vo. 2nd ed. 188 pp. 1897. Chapman, 10s. 6d.

SUGAR BEET SEED, for Farmers and Chemists, by L. S. Ware (U.S.A.). 8vo. 264 pp. 69 Illus. 1898. Kegan Paul, 10s. 6d.

SUGAR HOUSE NOTES AND TABLES, by N. Deen. 8vo. Spon, 10s. 6d.

SUGAR MACHINERY, by A. J. Wallis-Taylor. 314 pp. 51 Illus. 1895. Rider, 5s.

TABLES FOR THE QUANTITATIVE Estimation of the Sugars, trans. from W. Frew. Cr. 8vo. Spon, 6s.

TECHNOLOGY OF SUGAR; Practical Treatise on Modern Methods of

Manufacture of Sugar from Sugar Cane and Sugar Beet, by J. G. McIntosh. Demy 8vo. 408 pp. 83 Illus. 1903. Scott, Greenwood, 10s. 6d.

Sweetmeats.

ART OF SWEETMAKING, by B. Manders. Cr. 8vo. 74 pp. 1901. Simpkin, 2s. 6d.

CHOCOLATE AND CONFECTIONERY Manufacture, by A. Jacquot. 8vo. 211 pp. 1903. MacLaren, 21s.

HOME-MADE SWEETMEATS, JAMS, Marmalades, Wines, etc., by Mrs. H. M. Young. 12mo. 34 pp. 1902. Simpkin, 1s. boards.

MANUFACTURE OF CHOCOLATE, by P. Zipperer. Imp. 8vo. 1902. Spon, 16s.

MANUFACTURE OF PRESERVED Foods and Sweetmeats, trans. from German of A. Hausner. Cr. 8vo. 225 pp. 28 Illus. 1902. Scott, Greenwood, 7s. 6d.

SWEETMEAT MAKING AT HOME, by M. E. Rattray. Cr. 8vo. 152 pp. 1902. Pearson, 2s. 6d.

TOFFY AND SWEETS: How to Make Them, by R. Wells. Cr. 8vo. 68 pp. Illus. 1893. Simpkin, 1s.

TREATISE ON THE ART OF BOILING Sugar, Lozenge-making, etc., by H. Weatherley. Cr. 8vo. 131 pp. Baird, Philadelphia, \$1.50.

Tea.

GOLDEN TIPS: Description of Ceylon and its Great Tea Industry, by H. W. Cave. 8vo. 3rd ed. 1904. Cassell, 10s. 6d.

INDIAN TEA: its Culture and Manufacture, by C. Bald. Demy 8vo. Illus. 1903. Thacker, 7s. 6d.

TEA AND TEA BLENDING. Cr. 8vo. 4th ed. 152 pp. 1894. *Grocers' Gazette*, 5s.

TEA CULTIVATION IN WESTERN Ssüch'uan and the Tea Trade with Tibet *via* Tachienlu, by A. de Rothorn. Cr. 8vo. 40 pp. 1895. Luzac, 2s. paper.

TEA MACHINERY AND TEA FACTORIES, by A. J. Wallis-Taylor. Med. 8vo. 452 pp. 218 Illus. 1900. Crosby Lockwood, 25s.

Vinegar, etc.

PRACTICAL TREATISE ON THE Manufacture of Vinegar, Acetates, Cider and Fruit Wines, Preservation of Fruit and Vegetables, Meat, Fish and Eggs, by W. T. Brannt (U.S.A.). Royal 8vo. 2nd ed. 555 pp. 104 illus. 1902. Sampson Low, 25s.

SECTION 25.

FOREIGN EXCHANGE TABLES, METRIC SYSTEM.

Exchange Tables.

AMERICAN EXCHANGE RATES, from \$4.75 to \$4.95. 4to. 162 pp. 1900. E. Wilson, 40s.

BILLS OF EXCHANGE ACT (1890), Canada, and Amending Act of 1891, by J. J. MacLaren, Q.C., D.C.L., LL.D. 2nd ed. 1896. Carswell Co., Ltd., Toronto, \$5.50.

CHINESE CURRENCY, by J. Edkins. Royal 8vo. 29 pp. Luzac, 1s.

CONVERSION TABLES FOR FOREIGN Moneys and Measures, English-French and German. 46 pp. 1902. 2s. *Commercial Intelligence*, Austrian-English, 1s. Russian-English, 1s. Japanese-English, 1s. 1904.

DOLLARS AND TAELS AND STERLING Exchange Tables. Demy 8vo. 1898. E. Wilson, 10s. 6d.

EXCHANGE TABLES TO CONVERT Moneys of Brazil, River Plate, Chili, Peru, California, China, Portugal, Spain, etc., into British Currency, by J. P. Wileman. Demy 8vo. 267 pp. 1896. E. Wilson, 10s. 6d.

INDIAN AND ENGLISH EXCHANGE Tables, by F. A. D. Mercus. Demy 8vo. 1894. E. Wilson, 15s.

INDIAN EXCHANGE TABLES, by J. T. Berry. Waterlow, 21s.

NOTON'S ADVANCE TABLES, for Business between Great Britain and U.S.A. Palmer, Howe, Manchester, 7s.

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TABLES OF EXCHANGE BETWEEN United States of America and Great Britain, by A. Lecoffre. Demy 8vo. 670 pp. 1897. E. Wilson, 25s.

UNIVERSAL AMERICAN DOLLAR Exchange Tables, Schultz's. E. Wilson, 10s. 6d.

UP-TO-DATE TABLES OF IMPERIAL, Metric, Indian and Colonial Weights and Measures, by A. J. Martin. 16mo. 1904. T. F. Unwin, 2s. 6d.

Metric System Conversion Tables.

CRICHTON'S METRIC SYSTEM, with English Equivalents, by F. A. Crichton, 12 St. George's Avenue, Forest Gate. Royal 8vo. 3rd ed. 71 pp. 1902. 3s. 6d.

DICTIONARY OF METRIC AND other Useful Measures, by L. Clark. Cr. 8vo. Spon, 6s.

ENGLISH WEIGHTS WITH THEIR Equivalents in Kilogrammes, from 1 pound to 1 ton, by F. S. Stewart. Cr. 8vo. 44 pp. 1890. E. Wilson, 2s. 6d. limp.

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SERIES OF METRIC TABLES, by C. H. Dowling. 8vo. Lockwood, 10s. 6d.

Metric System Conversion Tables,
continued.

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TABLES FOR CONVERTING FRENCH Metres into English Feet and Fathoms. J. D. Potter, 1s.

UNIVERSAL DICTIONARY OF Weights and Measures, by J. H. Alexander. 8vo. New ed. Van Nostrand, N. Y., \$3.50.

SECTION 26.

FOREIGN LANGUAGES.

Languages.

ART OF TEACHING AND STUDYING Languages, trans. from French of F. Gouin by H. Swan and V. Bétis. Cr. 8vo. 6th ed. 1901. G. Philip, 7s. 6d.

COMMERCIAL DUTCH GRAMMAR, by H. Elffers. Cr. 8vo. 2nd ed. 1896. D. Nutt, 5s.

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(Foreign Commercial Correspondence. See section 15. Teaching Languages. Section 65.)

Foreign Technical Dictionaries.

BUSINESS TERMS AND PHRASES, with French, German and Spanish Equivalents. Cr. 8vo. 231 pp. Forms. Pitman, 2s. 6d.

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(Commercial Dictionaries: See section 15.)

(Fuel. See section 21.)

SECTION 27.

GARDENING, FLOWERS.

Botany.

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CULTURE OF FLOWERS AND PLANTS, by G. Glenny. Cr. 8vo. 378 pp. Houlston, 5s. 6d.

FLOWERS AND GARDENS IN INDIA, by Mrs. R. Temple-Wright. Post 8vo. 5th ed. 132 pp. 1902. Thacker, 2rs. 8an.

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HANDY-BOOK OF THE FLOWER Garden, by D. Thomson. Cr. 8vo. 5th ed. 288 pp. 11 Plates. 1893. Blackwood, 5s.

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LILIES FOR ENGLISH GARDENS, for Amateurs, by G. Jekyll. Med. 8vo. 84 pp. 1901. Newnes, 8s. 6d.

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PLANT BREEDING, by L. H. Bailey. Fcp. 8vo. 293 pp. Illus. 1897. Macmillan, 4s.

(Rose Growing. See below.)

(Forestry. See section 1.)

(Fruit Growing. Section 1.)

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BOOK OF GARDENING, ed. by W. D. Drury. Demy 8vo. 1198 pp. 720 Illus. 1900. Upcott Gill, 16s.

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GARDENER'S EVERY-DAY BOOK OF Horticulture and Floriculture, by G. Glenny. Cr. 8vo. 316 pp. Houlston, 5s. 6d.

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POTATO IN FIELD AND GARDEN, by W. J. Malden. Cr. 8vo. 217 pp. Illus. 1895. *Mark Lane Express*, 1s. 6d.

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SECTION 28.

GAS.

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of Acetylene and Air, by F. Grover. Cr. 8vo. 2nd ed. 22 pp. 8 illus. 1898. Jowett & Sowry, Leeds, 1s.

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CONSUMER'S HANDBOOK OF LAW Relating to Gas, Water and Electric Lighting, by L. Duckworth. Cr. 8vo. 2nd ed. 1903. E. Wilson, 1s. 6d.

ELECTRIC GAS LIGHTING, by H. S. Norrie. 16mo. 1902. Spon, 2s.

GAS LIGHTING AND GAS FITTING, by W. P. Gerhard (U.S.A.). 18mo. 2nd ed. 190 pp. Spon, 2s.

LAW OF GAS, WATER AND ELECTRIC Lighting, by Michael and Will. Royal 8vo. 5th ed. 1901. Butterworth, 35s.

Gas Lighting, continued.

PRACTICAL PHOTOMETRY: Measurement of Light, by W. J. Dibdin. Demy 8vo. 227 pp. Illus. 1889. W. King, 7s. 6d.

PUBLIC LIGHTING BY GAS AND ELECTRICITY, by W. J. Dibdin. Royal 8vo. 558 pp. 1902. Sanitary Pub. Co., 21s.

SCIENCE AND PRACTICE OF LIGHTING as Applied to Streets, Open Spaces and Interiors, by W. H. Y. Webber. Demy 8vo. 95 pp. 1892. W. King, 3s. 6d.

Gas Supply.

ACTS RELATING TO THE SUPPLY of Gas and Water by Companies and Local Authorities, compiled by J. Reason. 1902. Butterworth, 21s.

ANALYSES OF SCOTCH COALS, Cannel, Splint, Shale, etc., Used in Making Gas, by W. Wallace. 4to. 10 pp. W. King, 1s. paper.

APPARATUS AND FITTINGS FOR GASWORKS, by F. Colyer. 8vo. Plates. Spon, 12s. 6d.

CHEMISTRY OF GAS MANUFACTURE, by W. J. A. Butterfield. Large cr. 8vo. 3rd ed. Vol. I. Materials, Processes. 31 illus. 268 pp. 1904. Griffin, 7s. 6d.

FLOW OF GASES AND PROPORTIONING GAS MAINS, by F. Southwell Cripps. Demy 4to. 16 pp. 4 Diagrams and Text. 1892. W. King, 7s. 6d.

GAS ANALYST'S MANUAL, by J. Abady. 8vo. 600 pp. 102 illus. Plates. 1902. Spon, 18s.

GAS AND WATERWORKS DIRECTORY and Statistics. Cr. 8vo. 529 pp. Annual. Hazell, 10s.

GAS COMPANIES' ACCOUNTS. Demy 8vo. 1902. Gee & Co., 5s.

GAS COMPANIES' BOOK-KEEPING, by J. H. Brearley and B. Taylor. Med. 8vo. 293 pp. Illus. 1900. W. King, 12s. 6d.

GAS ENGINEERS' LABORATORY Handbook, by J. Hornby. Cr. 8vo. 2nd ed. 328 pp. 63 illus. Tables. 1902. Spon, 6s.

GASEOUS FUEL, INCLUDING WATER Gas: Its Production and Application, by B. H. Thwaite. Cr. 8vo. 50 pp. 1889. Whittaker, 1s. 6d.

GASHOLDER AND TANK CONSTRUCTION, by F. S. Cripps. Med. 8vo. 34 pp. Illus. 1898. W. King, 3s. 6d.

GAS LIGHTING: Vol. III. of Groves and Thorp's Chemical Technology, by Charles Hunt. Royal 8vo. 340 pp. 292 illus. 2 Plates. 1900. Churchill, 18s.

GAS MANUFACTURE, for Workmen and Students, by J. Hornby. Small post 8vo. 2nd ed. 65 illus. 1900. Bell, 5s.

GASWORKS: THEIR CONSTRUCTION and Arrangement, by S. Hughes. 12mo. 9th ed. 420 pp. 1904. Lockwood, 6s.

GUIDE-FRAMING OF GASHOLDERS: Strains in Structures connected with Gasworks, by F. S. Cripps. Demy 8vo. 119 pp. 1889. W. King, 6s.

HANDBOOK FOR GAS ENGINEERS and Managers, by T. Newbigging. Fcp. 4to. 6th ed. 535 pp. 239 illus. 1 Plate. 1898. W. King, 21s.

HANDBOOK OF TECHNICAL GAS Analysis, by C. Winkler, Ph.D.; 2nd English ed. trans. by G. Lunge, Ph.D. 8vo. 185 pp. 81 illus. 1902. Gurney & Jackson, 10s. 6d.

INFLAMMABLE GAS AND VAPOUR in the Air: Detection and Measurement, by F. Clowes, D.Sc.; with Chapter on Measurement of Petroleum Vapour, by B. Redwood. Cr. 8vo. 206 pp. 49 illus. 1896. Lockwood, 5s.

MANUAL OF THE MANUFACTURE of Gas from Tar, Oil and other Liquid Hydrocarbons, and Extracting Oil from Sewage Sludge, by W. Burns. Cr. 8vo. 68 pp. 3 Plates. 1887. Spon, 5s.

MANUAL FOR GAS ENGINEERING Students, by D. Lee. 18mo. 1885. Spon, 1s.

MANUFACTURE OF COAL GAS Diagram for Schools. 36 in. x 26 in. Bacon, 4s. 6d.

MEMORANDUM ON THE MOND GAS Scheme: Staffs Mond Gas Company's Act, 1901, by F. N. Keen. Demy 8vo. 20 pp. 1901. Walter King, 1s. paper.

MODERN APPLIANCES IN GAS Manufacture, by F. W. Stevenson. Cr. 4to. 80 pp. Illus. 1901. Simpkin, 5s.

MODERN METHODS OF SAVING Labour in Gasworks, by C. E. Brackenbury. Med. 8vo. 64 pp. 56 illus. 1900. P. S. King, 3s. 6d.

NOTES ON THE LITHOLOGY OF GAS Coals: Commercial Analysis, by J. Paterson. Demy 8vo. 70 pp. 1887. W. King, 3s. limp.

PRACTICAL HINTS ON THE WORKING and Construction of Regenerator Furnaces: Gaseous Firing for Retort Settings in Gasworks, by M. Graham. Fcp. 8vo. Spon, 3s.

PRACTICAL TREATISE ON THE Manufacture and Distribution of Coal Gas, by W. Richards. Demy 4to. illus. Spon, 28s.

TABLE FOR ASCERTAINING THE True Illuminating Power of a Gas Deduced from Pole's Law, by W. J. Dibdin. 30 in. x 22 in. 1903. Sanitary. Pub. Co., 21s.

TREATISE ON THE COMPARATIVE Commercial Values of Gas Coals and Cannels, by D. A. Graham. Large cr. 8vo. 100 pp. 3 Plates. 1882. Spon, 4s. 6d.

VALUATION OF GAS, ELECTRICITY and Waterworks for Assessment Purposes, by T. & W. Newbigging. Demy 8vo. 120 pp. 1899. W. King, 5s.

SECTION 29.

GLASS.

Glass Blowing and Making.

CHEMICAL ANALYSIS FOR GLASS-MAKERS, by E. C. Uhlig. 8vo. 1904. Kaufmann & Gauding, Pittsburgh, \$5.

GLASS WORKING BY HEAT AND Abrasion, ed. by P. N. Hasluck. Cr. 8vo. 160 pp. 300 illus. 1900. Cassell, 1s.

JENA GLASS AND ITS SCIENTIFIC and Industrial Applications by Dr. H. Hovestadt; trans. and ed. by J. D. Everett, M.A. 8vo. 402 pp. 1902. Macmillan, 15s.

MANUFACTURE OF GLASS DIAGRAM for Schools. 36 in. x 26 in. Bacon, 4s. 6d.

METHODS OF GLASS BLOWING AND

of Working Silica in the Oxy-gas Flame, by W. A. Shenstone. Cr. 8vo. 4th ed. 106 pp. illus. 1902. Longmans, 2s. 6d.

RECIPES FOR FLINT GLASS-MAKING, by a British Glass Master and Mixer; 60 Recipes for Crystal, Demi-crystal and Coloured Glass. Cr. 8vo. 1901. Scott, Greenwood, 10s. 6d.

PRINCIPLES OF GLASS-MAKING, for Workmen and Students, by H. J. Powell. Small post 8vo. 186 pp. 8 illus. 1883. Bell, 3s. 6d.

Glass Staining, Painting, Glazing, etc.

BOOKE OF SUNDRY DRAWGHITES (Leaded Glass), for Glaziers, by W. Gidde. 4to. 100 illus. Published in 1615; Reissued in 1898 by Leadenhall Press, 6s.

GLASS PAINTING, by F. Miller. Cr. 8vo. 72 illus. E. Menken, 5s.

GLASS STAINING AND THE ART OF Painting on Glass, from German of Dr. Gessert and E. O. Furnberg. Cr. 8vo. Lockwood, 2s.

HANDBOOK ON GLASS PAINTING, Staining and Fret-lead Glazing, by E. R. Suffling. Cr. 8vo. 102 pp. illus. 1890. Lechertier Barbe, 1s.

HISTORY OF DESIGN IN PAINTED Glass, by N. H. J. Westlake. 4 vols. Vol. I. Royal 4to. Vol. II. 21s. Vol. III. 30s. Vol. IV. 34s. 4 vols, £5 10s. 1879-1894. J. Parker & Co.

PAINTING ON GLASS AND PORCELAIN and Enamel Painting, from German of F. Herrmann. Demy 8vo. 300 pp. 18 illus. 1897. Scott, Greenwood, 10s. 6d.

STAINED GLASS, by L. F. Day. Large cr. 8vo. 67 illus. 1903. Chapman & Hall, 4s.

TREATISE ON THE ART OF GLASS Painting, by E. R. Suffling. Demy 8vo. 140 pp. 37 illus. 1 Coloured Plate. 1902. Scott, Greenwood, 7s. 6d.

WINDOWS: A BOOK ABOUT Stained and Painted Glass, by L. F. Day. Large 8vo. 400 pp. 250 illus. 1897. Batsford, 21s.

Sheet Glass.

GLASS DEALER'S READY RECKONER: Tables of Superficial Measurement, compiled by J. Thorne. Med. 8vo. 131 pp. 1884. Pilkington Brothers, Limited, St. Helens, 2s. 6d.

SHEET AND PLATE-GLASS CUTTERS' Assistant: Tables of Superficial Measurement of Squares. Royal 8vo. 280 pp. Pilkington Brothers, Limited, St. Helens, 7s. 6d.

SECTION 30.

GLUES, INKS, PASTES.**Glue, Gelatine.**

BONE PRODUCTS AND MANURES: Manufacture of Fat, Glue, Animal Charcoal, Size, Gelatine and Manures, by T. Lambert. Demy 8vo. 162 pp. 21 illus. 1901. Scott, Greenwood, 7s. 6d.

GLUE AND GLUE TESTING, by S. Rideal, D.Sc. Demy 8vo. 144 pp. 14 illus. 1900. Scott, Greenwood, 10s. 6d.

MANUFACTURE OF GLUE AND Gelatine. Cr. 8vo. *National Provisioner*, N.Y., \$5.

PRACTICAL TREATISE ON THE RAW Materials: Materials and Fabrication of Glue, Cements, Pastes, etc., by F. Dawidowsky; trans. from German. 12mo. 297 pp. 35 illus. Baird, Philadelphia, \$2.50.

SIZING INGREDIENTS, SIZE MIXING and Sizing, by H. Monie. Demy 8vo. 66 pp. 1901. Simpkin, 2s. 6d.

Inks, Pastes, Sealing Waxes.

CEMENTS, PASTES, GLUES AND Gums, by H. C. Standage. Cr. 8vo. 3rd ed. 164 pp. Lockwood, 2s.

INK MANUFACTURE: WRITING, Copying, Lithographic, Marking, Stamping and Laundry Inks, trans. from German of S. Lehner. Cr. 8vo. 162 pp. 3 illus. 1902. Scott, Greenwood, 5s.

OIL COLOURS AND PRINTING INKS, trans. from German by L. E. Andés. Cr. 8vo. 1902. Scott, Greenwood, 5s.

PRACTICAL TREATISE ON THE Manufacture of Starch, Glucose,

Starch-sugar and Dextrine, by J. Frankel; ed. by R. Hutter. Royal 8vo. 344 pp. 58 illus. 1881. Baird, Philadelphia, \$3.50.

SEALING WAXES, WAFERS AND other Adhesives for the Household, Office, Workshop and Factory, by H. C. Standage. Cr. 8vo. 96 pp. 1902. Scott, Greenwood, 5s.

TANNINS, WRITING INKS, ETC.: Vol. III. of Allen's Commercial Analysis. Demy 8vo. 3rd ed. 600 pp. 1901. Churchill, 18s.

(Gymnastics. See section 53.)

(Highways. See section 59.)

SECTION 31.

HORSES.**General.**

BRITISH THOROUGHBRED HORSE: His History and Breeding, with an Exposition of the Figure System, by W. Allison, M.A. Royal 8vo. 182 pp. 10 illus. 1 Coloured Plate. 1901. Grant Richards, 42s.

FAMILY HORSE: STABLING, CARE and Feeding, by G. A. Martin (U.S.A.). Cr. 8vo. 153 pp. 73 illus. and Plates. 1889. Kegan Paul, 3s. 6d.

HARNESS HORSE, by Sir W. Gilbey. Demy 8vo. 3rd ed. 44 pp. illus. 1898. Vinton, 2s.

HEAVY HORSES: BREEDS AND Management, by H. Biddell, etc. Demy 8vo. 3rd ed. 219 pp. 29 illus. 1898. Vinton, 3s. 6d.

HORSE IN THE STABLE AND THE Field, by J. H. Walsh: Chapter on American Trotting Horses, by E. Harvey, M.D. 12mo. illus. H. T. Coates & Co., Philadelphia, \$1.

HORSES AND STABLES, by Sir F. Fitzwygram. Demy 8vo. 5th ed. 568 pp. 1901. Longmans, 3s.

HORSES, ASSES, ZEBRAS, MULES and Mule-breeding, by W. B. Tegetmeier and C. L. Sutherland. Demy 8vo. 166 pp. 30 Plates. 1895. H. Cox, 5s.

HORSES ON BOARD SHIP: GUIDE to their Management, by M. H. Hayes. Cr. 8vo. 284 pp. 24 illus. 1902. Hurst & Blackett, 3s. 6d.

LIGHT HORSES: BREEDS AND Management, by W. C. A. Blew, etc. Demy 8vo. 226 pp. 28 Illus. 1898. Vinton, 3s. 6d.

OUR FRIEND THE HORSE, by F. T. Barton, M.R.C.V.S. Demy 8vo. 276 pp. Illus. 1898. Dean, 6s.

POINTS OF THE HORSE, CONFORMATION, Movements, Breeds, etc., by M. H. Hayes. 8vo. 3rd ed. 764 pp. 1904. Hurst & Blackett, 34s.

PRACTICAL HORSE-KEEPER, by G. Fleming, LL.D. Cr. 8vo. 264 pp. Illus. Upcott Gill, 3s. 6d.

PRACTICAL TREATISE ON THE LAW of Horses, by M. D. Hanover (U.S.A.). 8vo. 2nd ed. R. Clarke Co., Cincinnati, \$4.

THE HORSE: FROM BIRTH TO OLD Age, by S. Buckman-Linard. Cr. 8vo. 1902. R. A. Everett, 3s. 6d.

THE HORSE IN ART AND NATURE, for Artists and Horse Lovers, by C. Brown, M.A. Obl. 4to. 210 pp. Plates. Chapman & Hall, 20s.

THE HORSE IN STABLE AND Field, by J. H. Walsh; revised by H. Leeny. Med. 8vo. 15th ed. 698 pp. 132 Illus. 1899. Routledge, 21s.

TRAINING AND HORSE MANAGEMENT in India, by M. H. Hayes. Cr. 8vo. 5th ed. Hurst & B., 6s.

TRANSPORT OF HORSES BY SEA, with Folding Plan, by E. C. Martin. 12mo. 50 pp. 1901. Thacker, 2s. 6d.

Breeding and Breaking Horses.

BREAKING AND RIDING, WITH Military Commentaries, by J. Fillis; trans. by M. H. Hayes. Med. 8vo. 359 pp. 70 Illus. 1902. Hurst & Blackett, 16s.

BREAKING AND TRAINING HORSES, by F. T. Barton. Illus. Cr. 8vo. 198 pp. 1903. Everett, 6s.

HINTS ON COLT-BREAKING, by W. M. Hutchison. Cr. 8vo. 117 pp. 25 Illus. 1892. Chatto, 3s. 6d.

HORSE BREEDING AND MANAGEMENT, by F. Adye. Cr. 8vo. 350 pp. 1903. Everett, 10s. 6d.

HORSE BREEDING AND REARING IN India, by Major J. Humfrey. Cr. 8vo. Thacker, 7s. 6d.

HORSE BREEDING FOR FARMERS,

by A. E. Pease. Cr. 8vo. 133 pp. 1894. Macmillan, 2s. 6d.

HORSE BREEDING IN ENGLAND and India and Army Horses Abroad, by Sir W. Gilbey. Demy 8vo. 62 pp. Illus. 1901. Vinton, 2s.

ILLUSTRATED HORSE-BREAKING, by M. H. Hayes. Cr. 8vo. 2nd ed. 406 pp. 124 Illus. 1902. Hurst & Blackett, 12s.

Buying Horses.

EXAMINATION OF HORSES AS TO Soundness and Selection as to Purchase, by E. Sewell, M.R.C.V.S. 8 Col. Plates. 1898. Baillière, 5s.

HORSE BUYING AND MANAGEMENT for Amateurs, by H. E. Fawens. Cr. 8vo. 1903. Upcott Gill, 1s.

HORSE DENTITION: SHOWING How to Tell Exactly the Age of a Horse up to Thirty Years, by S. Galvayne. Cr. 8vo. Coloured Illus. 1902. R. A. Everett, 5s.

HOW TO BUY A HORSE, WITH Hints on Shoeing, etc., by F. J. Morgan. Cr. 8vo. 134 pp. Warne, 2s. 6d.

HOW TO CHOOSE A HORSE, OR Selection Before Purchase, by F. T. Barton. Cr. 8vo. 112 pp. 1901. Everett, 1s. 6d.

Horse-shoeing.

PRACTICAL HORSE-SHOEING, by G. Fleming, C.B., LL.D. Cr. 8vo. 10th ed. 136 pp. 37 Illus. 1900. Baillière, 2s. 6d.

STRUCTURE AND FUNCTIONS OF the Horse's Foot with Reference to Horse-shoeing, by J. A. W. Dollar and A. Wheatley. Demy 8vo. 438 pp. 300 Illus. 70 Plates. 2 Coloured Plates. 1898. D. Douglas, Edinburgh, 15s.

TEXT-BOOK OF HORSE-SHOEING FOR Horse-shoers and Veterinarians, by A. Lungwitz; trans. by J. W. Adams (U.S.A.) Large cr. 8vo. 168 pp. 141 Illus. 1898. Lippincott, 7s. 6d.

Riding and Driving.

DRIVING FOR PLEASURE, or, The Harness Stable and Its Appointments, by F. T. Underhill. Imp. 8vo. 124 Plates. Heinemann, 28s.

Riding and Driving, continued.

HINTS ON DRIVING: PRACTICAL Treatise, by C. M. Knight. Cr. 8vo. 2nd ed. 212 pp. 40 illus. 1895. Bell, 3s. 6d.

HORSEWOMAN: SIDE-SADDLE RIDING, by Mrs. Hayes. Demy 8vo. 2nd ed. 482 pp. 148 illus. 1903. Hurst & Blackett, 12s.

MODERN HORSEMANSHIP: Original Method of Teaching, by E. L. Anderson. Demy 8vo. 5th ed. 60 illus. D. Douglas, Edinburgh, 21s.

RIDING FOR LADIES, WITH HINTS on the Stable, by Mrs. P. O'Donoghue. Imp. 16mo. 345 pp. 75 illus. 1887. Thacker, 10s. 6d.

Stable Management.

GENTLEMAN'S STABLE GUIDE, by R. McClure, M.D., V.S. 16mo. illus. H. T. Coates & Co., Philadelphia, \$1.

GROOM'S GUIDE: HIS DUTIES AND How to Perform Them, by F. T. Barton. Cr. 8vo. 166 pp. R. A. Everett, 2s.

HOW TO FEED A HORSE, by G. Armatage. Cr. 8vo. 132 pp. Warne, 1s.

NOTES ON STABLE MANAGEMENT and the Prevention of Disease Among Horses in India, by J. A. Nunn. Cr. 8vo. 2nd ed. 112 pp. 1897. Thacker, 2s.

SOILING, ENSILAGE AND STABLE Construction, by F. S. Peer. 12mo. 1900. M. F. Mansfield & Co., N.Y., \$1.25.

STABLE MANAGEMENT AND EXERCISE, by M. H. Hayes. Demy 8vo. 2nd ed. 424 pp. 62 illus. 1900. Hurst & Blackett, 12s.

STABLE SANITATION AND CONSTRUCTION, by T. E. Coleman. Cr. 8vo. 183 illus. Spon, 6s.

THROUGH THE STABLE AND SADDLE-ROOM: Practical Guide for Management, by A. T. Fisher. Cr. 8vo. 3rd ed. 342 pp. 1896. Macmillan, 6s.

(Veterinary Books. See section 69.)

SECTION 32.**HOSPITALS, NURSING.****Hospitals.**

FURNISHINGS AND APPLIANCES of a Cottage Hospital: an Actual Inventory, by S. Holland. Cr. 8vo. 1897. Scientific Press, Ltd., 6d.

HEALTHY HOSPITALS: Some Points of Hospital Construction, by Sir D. Galton. Demy 8vo. 287 pp. 49 illus. 1893. Frowde, 10s. 6d.

HOSPITALS AND ASYLUMS OF THE World: Their History, Construction, Management and Legislation, by Sir H. Burdett. Royal 8vo. 4 vols. Portfolio of Plans. £8 8s. Vol. I. Asylums, History and Administration. 701 pp. 1891. Vol. II. Asylum Construction. 348 pp. 1891. Vol. III. Hospital Administration. 944 pp. 1893. Vol. IV. Hospital Construction. 461 pp. Scientific Press, Ltd.

HOSPITALS, INFIRMARIES AND DISPENSARIES: Construction, Interior Arrangement and Management, by F. Oppert, M.D. Royal 8vo. 2nd ed. 278 pp. 74 illus. 1883. Churchill, 12s.

LEGAL HANDBOOK FOR HOSPITAL Authorities, by L. S. Bristowe. Cr. 8vo. 164 pp. 1901. Scientific Press, Ltd., 2s. 6d.

SMALL HOSPITALS, ESTABLISHMENT and Maintenance, by A. Worcester, A.M., M.D., with Suggestions for Hospital Architecture, by W. Atkinson (U.S.A.). Cr. 8vo. Chapman, 5s. 6d.

UNIFORM SYSTEM OF ACCOUNTS, for Hospitals and Public Institutions, Orphanages, etc., by Sir H. Burdett. Royal 8vo. New ed. 114 pp. 1903. Scientific Press, Ltd., 4s.

First Aid.

FIRST AID TO THE INJURED, Six Ambulance Lectures, by Dr. F. Esmarch, trans. by H.R.H. Princess Christian. Post 8vo. 6th ed. 117 pp. 24 illus. 1898. Smith, Elder, 2s.

FIRST AID TO THE INJURED, Emergency Book. Cr. 8vo. 1901. Simpkin, 3s. 6d.

FIRST AID TO THE INJURED AND Sick, Advanced Ambulance Handbook, by F. J. Warwick, B.A., M.B., and A. C. Tunstall, M.D. Sm. 8vo. 2nd ed. 200 Illus. J. Wright & Co., Bristol, 2s. 6d.

MANUAL OF FIRST AID, Text-book for Ambulance Classes, by J. A. Austin. Cr. 8vo. 216 pp. Illus. 1902. Low, 2s.

PRACTICAL FIRST AID, by W. Robertson. 16mo. 3rd ed. 192 pp. 67 Illus. 1902. A. Gardner, Paisley, 1s. 6d.

(Ambulance. See section 42).

Nursing.

ART OF COOKING FOR INVALIDS IN Home and Hospital, by F. B. Jack. Cr. 8vo. 3rd ed. 214 pp. 1903. Jack, 2s.

GUIDE TO DISTRICT NURSES, by Mrs. D. Craven. Cr. 8vo. 140 pp. 1894. Macmillan, 2s. 6d.

GUIDE TO URINE TESTING, for Nurses, by M. Robinson, L.R.C.P. 12mo. J. Wright & Co., Bristol, 1s.

HANDBOOK FOR NURSES, by J. K. Watson. Cr. 8vo. 428 pp. 1902. Scientific Press, Ltd., 5s.

HANDBOOK OF INVALID COOKING, by M. A. Boland. 12mo. 318 pp. Century Co., N.Y., \$2.

HANDBOOK OF NURSING. Vol. I. Medical and Surgical Nursing. Vol. II. Monthly Nursing. Vol. III. Family Hygiene. Cr. 8vo. 266 pp. (U.S.A.). 1895. Lippincott, 4s.

INVALID COOKERY, by M. Davies. Cr. 8vo. 142 pp. Weldon, 6d.

LECTURES ON MEDICAL NURSING, by J. W. Anderson, M.D. Fcp. 8vo. 6th ed. MacLehose, Glasgow, 2s. 6d.

MATERIA MEDICA FOR NURSES, by L. L. Doch (U.S.A.). Cr. 8vo. 4th ed. 224 pp. 1900. Putnam, 6s.

MATERIA MEDICA FOR NURSES, by E. A. M. Stoney (U.S.A.) 12mo. 300 pp. Saunders & Co., 8s.

NOTES ON PHARMACY AND DISPENSING, for Nurses. Cr. 8vo. 101

pp. 1899. Scientific Press, Ltd., 1s.

NURSE'S GUIDE TO MASSAGE, by S. Hyde, L.R.C.P., M.R.C.S. Cr. 8vo. 3rd ed. 62 pp. 13 Illus. 1894. J. Heywood, 3s. 6d.

NURSE'S HANDBOOK OF COOKERY, by E. M. Worsnop. Cr. 8vo. 2nd ed. 106 pp. 1898. A. & C. Black, 1s. 6d.

NURSING, GENERAL, MEDICAL AND Surgical, by W. J. Hadley. Cr. 8vo. 336 pp. 1902. Churchill, 3s. 6d.

NURSING: ITS THEORY AND PRACTICE, by P. G. Lewis, M.D. Cr. 8vo. New ed. 428 pp. 91 Illus. 1900. Scientific Press, Limited, 3s. 6d.

NURSING PROFESSION: HOW AND Where to Train, ed. by Sir H. Burdett. Cr. 8vo. 350 pp. Annual. Scientific Press, Ltd., 2s.

PRACTICAL NURSING, by J. Stewart and H. E. Cuff. Vol. I. Cr. 8vo. 3rd ed. 258 pp. Vol. II. Cr. 8vo. 210 pp. 1903. Blackwood & Sons, 3s. 6d. each.

PRACTICAL POINTS IN NURSING, for Nurses in Private Practice, by E. A. M. Stoney (U.S.A.). 3rd ed. 456 pp. 73 Illus. 9 Coloured Plates. 1903. Saunders & Co., 7s. 6d.

PRINCIPLES TO BE OBSERVED IN the Artificial Feeding of Infants, by W. B. Cheadle. Cr. 8vo. 5th ed. 284 pp. 1902. Smith, Elder, 5s.

SICKROOM COOKERY AND HOSPITAL Diet, by M. Earle. Cr. 8vo. 2nd ed. 1901. Spottiswoode & Co., 3s. 6d.

SURGICAL TECHNIQUE FOR NURSES, by E. A. M. Stoney (U.S.A.). 12mo. 200 pp. Saunders & Co., 5s.

TEXT-BOOK FOR TRAINING SCHOOLS for Nurses; Physiology, Hygiene, Principles and Practice of Nursing, by P. M. Wise, M.D. (U.S.A.). Cr. 8vo. 2 vols. Vol. I. 248 pp. 68 Illus. 1896. Vol. II. 327 pp. Illus. 1896. Putnam, 5s. each.

TEXT-BOOK OF NURSING FOR HOME and Hospital Use, by C. S. Weeks-Shaw. Cr. 8vo. 2nd ed. 344 pp. Illus. 1901. E. Arnold, 3s. 6d.

SECTION 33.

HOUSE DECORATION.

General.

AMERICAN MURAL PAINTING : DESCRIPTION of Mural Decoration in Churches and Public Buildings, by Pauline King. Med. 8vo. Illus. 1901. Noyes, Platt & Co., Boston, U.S.A., \$3.

APARTMENTS OF THE HOUSE : Their Arrangement, Furniture and Decoration, by J. Crouch and E. Butler. Fcp. 4to. 100 Illus. Plates. M. F. Mansfield & Co., N.Y., \$2.75.

COLOUR STUDIES : DECORATIVE, for Painters and Decorators. 2nd ed. *Journal of Decorative Art*, Manchester, 10s.

DECORATION OF HOUSES, by Edith Wharton and O. Codman (U.S.A.). Large sq. 8vo. 204 pp. 56 Plates. 1901. Batsford, 12s. 6d.

HISTORY OF DECORATIVE ART, by W. N. Brown. Cr. 8vo. 96 pp. 1900. Scott, Greenwood, 2s. 6d.

HOUSE DECORATING AND PAINTING, by W. N. Brown. Cr. 8vo. 150 pp. 1900. Scott, Greenwood, 3s. 6d.

HOUSE DECORATION : Comprising Whitewashing, Paperhanging, Painting, etc., ed. by P. N. Hasluck. Pott 8vo. 160 pp. 79 Illus. 1901. Cassell, 1s.

HOUSE PAINTING, GRAINING, Marbling and Sign-writing, by E. A. Davidson. Cr. 8vo. 8th ed. Coloured Plates. Lockwood, 6s.

INTERIOR DECORATION, by A. W. Brunner and T. Tryon. 4to. 2nd ed. 65 Illus. Comstock, N.Y., \$1.50.

INTERIOR DECORATION, by F. Miller. Cr. 8vo. 3rd ed. 146 pp. 71 Illus. E. Menken, 5s.

MANUAL OF DECORATIVE COMPOSITION, for Designers and Decorators, by H. Mayeux ; trans. by J. Gonino. Cr. 8vo. 3rd ed. 310 pp. 267 Illus. 1898. Virtue, 6s.

MANUAL OF HOUSE PAINTING, Marbling and Sign-writing, by E. A. Davidson. 12mo. Comstock, N.Y., \$3.

MODERN MURAL DECORATION, by A. Leys Baldry. Cr. 4to. 200 pp. 66 Illus. 4 Coloured Plates. 1902. Newnes, 12s. 6d.

MODERN WALL DECORATION, by W. G. Sutherland. 4to. 99 pp. Text. 12 Coloured Plates. 1893. Simpkin, 21s.

MURAL PAINTING, by F. H. Jackson. Cr. 8vo. 200 pp. 1904. Sands, 5s.

PAINTED WALL DECORATION, 8 Sheets of Working Drawings for Decorators. *Journal of Decorative Art*, Manchester, 5s.

PAINTER, GILDER AND VARNISHER's Companion, by W. T. Brannt. Cr. 8vo. 395 pp. Illus. Baird, Philadelphia, \$1.50.

PAINTER'S ENCYCLOPEDIA, by F. B. Gardner. 427 pp. 158 Illus. Baird, Philadelphia, \$2.

PAINTING AND DECORATING, by W. Pearce. Cr. 8vo. 2nd ed. 320 pp. 88 Illus. 4 Coloured Plates. 30 Plain Plates. 1902. Griffin, 12s. 6d.

PAPER HANGER, PAINTER, GRAINER and Decorator's Assistant. Cr. 8vo. 205 pp. 100 Illus. 1879. Simpkin, 2s. 6d.

PRACTICAL DECORATOR AND ORNAMENTIST, by G. A. Audsley, LL.D., F.R.I.B.A., and M. Audsley. Demy folio. 100 Coloured Plates. Gresham Pub. Co., 75s.

PRACTICAL MANUAL OF HOUSE Painting, Graining, Marbling and Sign-writing, by E. A. Davidson. 12mo. 394 pp. Baird, Philadelphia, \$2.

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SHIP AND GENERAL PAINTER'S and Decorator's Handbook, by G. S. Welch. 12mo. 2nd ed. 82 pp. 1902. Simpkin, 1s. 6d.

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Lettering, Sign-writing.

ALBUM OF MONOGRAMS AND Ciphers, by H. Renoir. Cr. 4to. E. Menken, 10s. 6d.

ALPHABETS, PLAIN AND ORNAMENTAL, Ancient and Modern. Obl. 4to. 48 pp. Leadenhall Press, 1s.

AN ALPHABET, by W. Nicholson. 4to. 26 Coloured Plates. Heine-
mann, 5s.

GLOSSARY OF TERMS USED IN Heraldry. Post 8vo. 10th ed. 659 pp. 1000 Illus. 1894. J. Parker & Co., 10s. 6d.

MEDIEVAL ALPHABETS AND Initials, by F. G. Delamotte. Small 4to. 4th ed. 21 Plates. Crosby Lockwood, 4s.

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MODERN ORNAMENT. 12 Coloured Plates, 18 in. x 13 in., with Descriptive Matter. Illustrations for Ceilings, Walls, Doors. Panels, Borders, etc. 1902. *Journal of Decorative Art*, 21s.

MONOGRAMS IN THREE AND FOUR Letters, by J. G. Smith. Cr. 4to. 1903. E. Menken, 30s.

SIGN-WRITER, GLASS EMBOSSE, Gilder, Church Decorator and Heraldic Painter, by W. and W. G. Sutherland. 4to. 62 pp. 32 Plates. *Journal of Decorative Art*, Manchester, 42s.

SIGN-WRITING AND GLASS EMBOSSE, by J. Collingham. 12mo. 258 pp. Baird, Philadelphia, \$1.50.

TEXT-BOOK ON PLAIN LETTERING, by H. S. Jacoby. Super royal 8vo. 82 pp. 48 Plates. *Engineering News*, N.Y., \$3.

(Design, Lettering and Ornament. See section 4. Ticket Writing. See section 60.)

Marbling, Graining.

ART OF GRAINING AND IMITATING Woods. 20 folio Panels. *Journal of Decorative Art*, Manchester, 42s.

BOOK OF DELIGHTFUL AND STRANGE Designs of the Art of the Japanese Stencil Cutter, by A. W. Tuer. Sq.

8vo. 24 pp. text. 104 Designs. Leadenhall Press, 6s.

HOUSE PAINTING, GRAINING, Marbling and Sign Writing, by E. A. Davidson. Cr. 8vo. 8th ed. Lockwood, 6s.

MARBLE DECORATION AND TERMINOLOGY of British and Foreign Marbles, for Students, by G. H. Blagrove. Cr. 8vo. 122 pp. 28 Illus. 1888. Lockwood, 3s. 6d.

MARBLES AND MARBLING, for Decorators. 8 Panels in Colours. *Journal of Decorative Art*, Manchester, 5s.

PRACTICAL ARTS OF GRAINING and Marbling. Folio. 14 parts. Col. Plates and Text. 1903. Trade Papers Pub. Co., 4s. 6d. each.

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SCHOOL OF PAINTING FOR IMITATION of Woods and Marbles, by A. B. and P. van Burg. Royal folio. 3rd ed. 24 Coloured Plates. 12 Plain Plates. Lockwood, 31s. 6d.

STENCILS AND STENCILLING, by W. G. Sutherland, W. Fourniss, etc. 4to. 36 pp. text. 18 Coloured Plates. Simpkin, 10s. paper.

(French Polishing. See section 10).

SECTION 34.**HYGIENE, PUBLIC HEALTH.****Bacteriology.**

AGRICULTURAL BACTERIOLOGY, Relation of Bacteria to Agriculture, by H. W. Conn. 8vo. 1902. Rebman, 11s.

APPLIED BACTERIOLOGY, by T. H. Pearmain and C. G. Moor, M.A. Demy 8vo. 2nd ed. 498 pp. 119 Illus. Plates. 1898. Baillière, 12s. 6d. net.

ATLAS AND PRINCIPLES OF BACTERIOLOGY and Text-book, by K. B. Lehmann and R. O. Neumann, ed. by G. H. Weaver, M.D. Cr. 8vo. 2 vols. 512 pp. 600 Figs. 69 Plates. 1901. W. B. Saunders & Co., 10s. 6d. each.

Bacteriology, continued.

BACTERIA IN MILK AND ITS PRODUCTS, by H. W. Conn, Ph.D. 8vo. 290 pp. 43 illus. 1903. Rebman, 6s.

BACTERIOLOGY, by F. C. Zapffe. Cr. 8vo. 1903. H. Kimpton, 7s. 6d.

BACTERIOLOGY, Laboratory Directions for Beginners, by V. A. Moore (U.S.A.). 12mo. 143 pp. Ginn, 4s. 6d.

BACTERIOLOGY OF MILK, by H. Swithinbank and E. Newman, M.D., D.P.H. Royal 8vo. 626 pp. 78 illus. 1903. J. Murray, 25s.

DAIRY BACTERIOLOGY, by Dr. E. von Freudenreich. Cr. 8vo. 2nd ed. 115 pp. 1895. Methuen, 2s. 6d.

ELEMENTS OF BACTERIOLOGICAL Technique, by J. W. H. Eyre. Royal 8vo. 372 pp. 170 illus. 1902. Saunders, 10s. 6d.

LABORATORY COURSE IN BACTERIOLOGY, for Agricultural and Industrial Students, by F. P. Gorham, A.M. (U.S.A.). Large cr. 8vo. 192 pp. 97 illus. 1901. W. B. Saunders & Co., 5s.

LABORATORY GUIDE FOR THE BACTERIOLOGIST, by L. Frothingham, M.D.V. (U.S.A.). Illus. W. B. Saunders & Co., 3s.

MANUAL OF BACTERIOLOGY, by A. B. Griffiths, Ph.D. Cr. 8vo. 348 pp. 57 ill. 1893. Heinemann, 5s.

MANUAL OF BACTERIOLOGY, by R. Muir, M.A., M.D., and J. Ritchie, M.A., M.D., B.Sc. 3rd ed. 548 pp. 150 illus. 1902. Y. J. Pentland, 10s. 6d.

MANUAL OF BACTERIOLOGY, by H. U. Williams, M.D. (U.S.A.). Large cr. 8vo. 2nd ed. 290 pp. 89 illus. 1901. Rebman, 7s. 6d.

PRACTICAL BACTERIOLOGY, trans. from W. Migula. Cr. 8vo. 240 pp. 9 illus. 2 Plates. 1893. Sonnenschein, 6s.

PRINCIPLES OF BACTERIOLOGY, by A. C. Abbot. Cr. 8vo. 6th ed. 1902. H. K. Lewis, 12s. 6d.

PRINCIPLES OF BACTERIOLOGY, trans. from Dr. F. Hueppe (U.S.A.). Cr. 8vo. 467 pp. 26 illus. 1899. Paul, 9s.

STRUCTURE AND FUNCTIONS OF Bacteria, trans. from A. Fischer.

Royal 8vo. 197 pp. 29 illus. 1900. Frowde, 8s. 6d.

SYNOPSIS OF BACTERIA, YEAST Fungi and Allied Species, by W. B. Grove. Cr. 8vo. 112 pp. 87 illus. 1891. Chatto, 3s. 6d.

TEXT-BOOK OF BACTERIOLOGY, by E. M. Crookshank, M.B. Med. 8vo. 4th ed. 710 pp. 273 illus. 22 Col. Plates. 1896. Lewis, 21s.

TEXT-BOOK OF BACTERIOLOGY, by G. M. Sternberg. Royal 8vo. 720 pp. 200 illus. Coloured Plates. 1901. Churchill, 26s.

Baths.

BATHS AND BATHING: HOW TO Bathe, When to Bathe and When Not, by J. Farrar, M.D. 4th ed. Illus. J. Wright & Co., Bristol, 1s.

HYDROPATHIC ESTABLISHMENT AND Its Baths, by R. O. Allsop. 8vo. 8 Plates. 1891. Spon, 5s.

PUBLIC BATHS AND WASH-HOUSES, by R. O. Allsop. Demy 8vo. Illus. 1894. Spon, 6s.

TURKISH BATH: ITS DESIGN AND Construction for Public and Commercial Purposes, by R. O. Allsop. 8vo. Spon, 6s.

Cremation.

MODERN CREMATION: ITS HISTORY and Practice, by Sir H. Thompson, M.B. Cr. 8vo. 4th ed. 190 pp. Illus. 1901. Smith, Elder, 2s.

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DISINFECTION AND DISINFECTANTS, by S. Rideal, D.Sc. (Lond.). Large 8vo. 2nd ed. 330 pp. 29 illus. Diagram. 1898. Sanitary Pub. Co., 12s. 6d.

LESSONS IN DISINFECTION AND Sterilisation, by F. W. Andrews. Cr. 8vo. 1903. Churchill, 3s.

PRACTICAL GUIDE TO DISINFECTION, by M. J. Rosenau, M.D. Large cr. 8vo. 447 pp. 128 illus. 1903. Rebman, 10s. 6d.

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CARE OF THE SKIN AND HAIR, with Suggestions as to Diet, Clothing, Bathing and Cosmetics, by J. Startin. Cr. 8vo. 88 pp. 1902. Simpkin, 2s. 6d.

HAIR AND ITS DISEASES, by D. Walsh, M.D. Cr. 8vo. 96 pp. 1902. Baillière, 2s. 6d.

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AIR, FOOD AND EXERCISES, by A. Rabagliati. Demy 8vo. 580 pp. 1904. Baillière, 7s. 6d.

AIR, WATER AND FOOD FROM A Sanitary Standpoint, by E. H. Richards and A. G. Woodman (U.S.A.). 8vo. 1900. Chapman, 8s. 6d.

ARCHITECTURAL HYGIENE: SANITARY Science as Applied to Buildings, by B. F. and H. P. Fletcher. Cr. 8vo. 290 pp. 305 Illus. 1899. Whittaker, 5s.

CATECHISM OF HYGIENE AND Sanitary Science, in 15 Parts, by P. Hehir, M.D. Part I. Water. Cr. 8vo. 596 pp. 1894. Baillière, 4s.

CLIMATOLOGY AND HEALTH RESORTS, including Mineral Springs, by F. P. Weber, M.A., M.D. 2 vols. Demy 8vo. Vol. I. European and British Health Resorts. 336 pp. 15 Maps and Plates. Vol. II. Health Resorts of Africa, Australia, and America, by F. P. Weber and G. Hinsdale. Demy 8vo. 420 pp. 12 Maps and Plates. 1901. Rebman, 12s. 6d. each.

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ESSAYS ON RURAL HYGIENE, by G. V. Poore. Cr. 8vo. 3rd ed. 434 pp. 1903. Longmans, 6s. 6d.

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T. Simmons and E. Stenhouse. Cr. 8vo. 340 pp. 1901. Macmillan, 2s. 6d.

HANDBOOK OF HYGIENE, by Lieut.-Col. A. M. Davies, D.P.H. 12mo. 2nd ed. 650 pp. Illus. 1902. Griffin, 8s. 6d.

HANDBOOK OF HYGIENE AND Sanitary Science, by G. Wilson, M.A., M.D., LL.D., D.P.H. Post 8vo. 8th ed. 825 pp. Illus. 1898. Churchill, 12s. 6d.

HANDBOOK OF PRACTICAL HYGIENE, by D. H. Bergey. 164 pp. 1900. Chemical Pub. Co., Easton, Pa., \$1.50.

HANDBOOK OF SANITARY INFORMATION for Householdors, by R. S. Tracy, M.D. (U.S.A.). 18mo. Spon, 2s. 6d.

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HYGIENE: ELEMENTARY COURSE (for South Kensington Exams.), by T. London. Post 8vo. 176 pp. Illus. 1898. Chambers, 1s. 6d.

HYGIENE: FIRST STAGE, by R. A. Lyster. Cr. 8vo. 2nd ed. 200 pp. 100 Illus. 1901. Clive, 2s.

HYGIENE FOR STUDENTS, by E. F. Willoughby, M.D. Cr. 8vo. 563 pp. 1901. Macmillan, 4s. 6d.

HYGIENE: MANUAL OF PERSONAL and Public Health, by A. News-holme. 8vo. New ed. 364 pp. Illus. 1902. G. Gill, 4s. 6d.

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MANUAL OF SCHOOL HYGIENE, for Teachers in Day Schools, by E. W. Hope, M.D., and E. A. Browne, F.R.C.S.E. Cr. 8vo. 220 pp. 1901. C. J. Clay, 3s. 6d.

NOTES ON CHALYBEATE SPRINGS of Spa, Belgium, by R. Wybauw. Cr. 8vo. 1903. Low, 1s. 6d. paper.

OUTLINES OF NAVAL HYGIENE, by J. D. Macdonald, M.D. Cr. 8vo. 364 pp. 40 illus. 1881. Smith, Elder, 7s. 6d.

PERSONAL AND DOMESTIC HYGIENE, for School and Home, by Mrs. H. Hendley. Fcp. 8vo. 209 pp. 35 illus. 1893. Thacker, 3s. 6d.

POCKET DICTIONARY OF HYGIENE, by C. T. Kinzett and D. Homfray, B.Sc. 32mo. 2nd ed. 112 pp. 1904. Baillière, 2s. 6d.

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SCHOOL HYGIENE AND DISEASES Incidental to School Life, by R. Farquharson, M.D. Cr. 8vo. 368 pp. 1885. Smith, Elder, 7s. 6d.

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TEXT-BOOK OF HYGIENE, by G. H. Rohe, M.D. Royal 8vo. 3rd ed. 450 pp. F. A. Davis Co., Philadelphia, \$3.

THEORY AND PRACTICE OF HYGIENE, by Col. Notter, M.D., and Major Horrocks, M.B., B.Sc. Royal 8vo. 2nd ed. 1100 pp. 138 illus. 15 Plates. 1900. Churchill, 25s.

TREATISE ON PUBLIC HYGIENE AND its Applications in Different European Countries, trans. from Dr. A. Palmberg. 8vo. 2nd ed. 182 illus. Sonnenschein, 10s. 6d.

Municipal Sanitation.

COLONIAL AND CAMP SANITATION, by G. V. Poore. Cr. 8vo. 1903. Longmans, 2s. 6d.

CONSTRUCTION OF HEALTHY DWELLINGS, by Sir D. Galton. 8vo. 2nd ed. 306 pp. 65 illus. 1896. Frowde, 10s. 6d.

DISPOSAL OF HOUSEHOLD WASTES, by W. P. Gerhard (U.S.A.). 18mo. 195 pp. Spon, 2s.

DISPOSAL OF THE SLOP-WATER OF Villages, by C. B. Fox, M.D. Fcp. 8vo. 2nd ed. 43 pp. 9 illus. 1877. Churchill, 1s. 6d.

DWELLING-HOUSES: THEIR SANITARY Construction and Arrangement, by W. H. Corfield, M.A., M.D. Cr. 8vo. 4th ed. 124 pp. 40 illus. 1898. Lewis, 3s. 6d.

ECONOMIC DISPOSAL OF TOWN'S Refuse, by W. F. Goodrich. Large cr. 8vo. 340 pp. 75 illus. 1901. P. S. King, 10s. 6d.

MANUAL FOR MUNICIPAL OFFICERS in Ohio (U.S.A.), by E. Ritchie. 12mo. 4th ed. 1901. R. Clarke Co., Cincinnati, \$1.25.

METROPOLITAN SANITATION, by W. H. Daw. Cr. 8vo. 260 pp. 1896. *Estates Gazette*, 5s.

MUNICIPAL AND SANITARY ENGINEER'S Handbook, by H. P. Boulnois. Demy 8vo. 3rd ed. 474 pp. illus. 1898. Spon, 15s.

MUNICIPAL ENGINEERING AND Sanitation, by N. Baker. Cr. 8vo. 1902. Macmillan, 5s.

MUNICIPAL IMPROVEMENTS, by W. F. Goodhue (U.S.A.). 12mo. 2nd ed. Chapman, 7s. 6d.

MUNICIPAL PUBLIC WORKS: THEIR Inception, Construction and Management, by S. Whinery. Cr. 8vo. 1903. Macmillan, 6s.

MUNICIPAL SANITATION IN THE United States, by C. V. Chapin, M.D. (U.S.A.). Royal 8vo. 970 pp. 110 Illus. 1901. P. S. King, 25s.

PUBLIC ABATTOIRS AND CATTLE Markets, from the German of O. Schwartz. Royal 8vo. 472 pp. 200 Illus. 1901. Ice and Cold Storage Pub. Co., 10s. 6d.

PUBLIC INSTITUTIONS: THEIR ENGINEERING, Sanitary and other Appliances, by F. Colyer. Demy 8vo. 219 pp. 1889. Spon, 5s.

REFUSE DISPOSAL AND POWER Production, by W. F. Goodrich. Demy 8vo. 400 pp. 98 Illus. 1904. Constable, 16s.

REMOVAL AND DISPOSAL OF TOWN Refuse, by W. H. Maxwell. 8vo. 372 pp. 73 Illus. 1898. Sanitary Pub. Co., 15s.

SANITARY WORK IN SMALL TOWNS and Villages, by C. Slagg. 2nd ed. 1883. Lockwood, 3s.

STREET CLEANING AND THE DISPOSAL of a City's Wastes, by G. E. Waring, Jun. (U.S.A.). Cr. 8vo. 240 pp. 30 Illus. 1900. Gay & Bird, 5s.

(Plumbing. See section 54.)

Public Health.

AIDS TO SANITARY SCIENCE, for Candidates for Public Health Qualifications, by F. J. Allan, M.D., D.P.H. Small cr. 8vo. 236 pp. 1890. Baillière, 4s. 6d.

DANGEROUS TRADES: INDUSTRIAL Occupations as Affecting Public Health, ed. by Dr. T. Oliver, M.A., M.D. Demy 8vo. 1902. J. Murray, 25s.

EPIDEMICS, PLAGUES AND FEVERS: Their Cause and Prevention, by Hon. R. Russell. Demy 8vo. 508 pp. 1892. P. S. King & Son, 5s.

HANDBOOK OF PUBLIC HEALTH: Laboratory Work and Food Inspection, by O. W. Andrews, M.B., B.S., D.P.H. Demy 8vo. 292 pp. 74 Illus. 1901. Baillière, 7s. 6d.

HANDBOOK OF PUBLIC HEALTH, by J. Orr. Cr. 8vo. 248 pp. 1901. Livingstone, Edinburgh, 4s.

HANDBOOK OF PUBLIC HEALTH,

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HEALTH OFFICER'S POCKET-BOOK, by E. F. Willoughby. 12mo. 2nd ed. 448 pp. 1902. Lockwood, 10s. 6d.

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MANUAL OF PUBLIC HEALTH, by A. W. Blyth. 8vo. 650 pp. 54 Illus. 9 Plates. 1890. Macmillan, 17s.

MEDICAL INSPECTION OF SCHOOL Children, by W. L. Mackenzie and E. Matthew. Demy 8vo. 470 pp. 1904. Hodge & Co., Glasgow, 10s. 6d.

METHODS OF PRACTICAL HYGIENE, trans. from K. B. Lehmann. 2 vols. Large cr. 8vo. 1893. Vol. I. Air, Soil, Water. 432 pp. 88 Illus. Vol. II. Meat, Milk, Butter, Bread, Vegetables, Sugar, Beer, Clothing, etc. 468 pp. Illus. Paul, 31s. 6d.

PRACTICAL GUIDE TO MEAT INSPECTION, by T. Walley. Post 8vo. 4th ed. 198 pp. Coloured Illus. Young J. Pentland, 10s. 6d.

PRINCIPLES OF SANITARY SCIENCE and the Public Health, by W. T. Sedgwick. 8vo. 1902. Macmillan, 12s. 6d.

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PUBLIC HEALTH AND PREVENTIVE Medicine, by C. J. Lewis and A. Balfour. Royal 8vo. 1902. Churchill, 25s.

PUBLIC HEALTH LABORATORY Work, by H. R. Kenwood, M.B., D.P.H. Cr. 8vo. 2nd ed. 453 pp. 109 Illus. 1896. Lewis, 10s. 6d.

Public Health, continued.

PUBLIC HEALTH REPORTS, by Sir J. Simon, ed. by Ed. Seaton, M.D. 2 vols. 8vo. 1172 pp. 1887. Churchill, 36s.

RISKS AND DANGERS TO HEALTH of Various Occupations and Their Prevention, by L. A. Parry, M.D., B.S. Demy 8vo. 196 pp. 1900. Scott, Greenwood, 7s. 6d.

TREATISE ON HYGIENE AND PUBLIC Health, ed. by T. Stevenson, M.D., F.R.C.P., and S. F. Shirley. 3 vols. Royal 8vo. Vol. I. Air, Warming, Meteorology, Climate, Water, Food, Clothing, Physical Education, Baths, Hospital Hygiene, Disposal of Refuse, Offensive Businesses, Slaughter-houses. 1013 pp. 9 Plates and 186 Illus. 1892. 28s. Vol. II. Infectious Diseases, Vaccination, Marine Hygiene, Military Hygiene, Disposal of the Dead, Vital Statistics, Duties of the Medical Officer. 847 pp. 45 Plates and 54 Illus. 1893. 32s. Vol. III. Law Relating to Public Health in England, Wales, Scotland and Ireland. 460 pp. 1894. 20s.

(See also **Municipal Sanitation**, above.)

Public Health Law.

DIGEST OF PUBLIC HEALTH CASE Law, by J. E. R. Stephens. Demy 8vo. 664 pp. 1902. Sanitary Pub. Co., 21s.

GUIDE TO PUBLIC HEALTH ACTS, 1875-1890, by L. Gaches. 1902. Eyre & Spottiswoode, 3s. 6d.

PRACTICAL GUIDE TO THE PUBLIC Health Acts, by T. W. Hime, B.A., M.D. Large cr. 8vo. 2nd ed. 1096 pp. Illus. 1901. Baillière, 15s.

PUBLIC HEALTH (LONDON) ACT, 1891, by A. Macmorran. 12mo. 1891. Shaw & Sons, 18s.

PUBLIC HEALTH ACTS, by F. Stratton. 8vo. 1894. Clowes, 7s. 6d.

PUBLIC HEALTH (Lumley's), by A. Macmorran and S. G. Lushington, M.A. 2 vols. 6th ed. 1902. Butterworth, 72s. 6d.

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Inspectors (Legal), by H. Kenwood. Cr. 8vo. 1900. Clowes, 5s.

SANITARY INSPECTOR'S GUIDE, by H. Lemmoin-Cannon. Cr. 8vo. 256 pp. 1902. P. S. King, 3s. 6d.

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BAD DRAINS AND HOW TO TEST Them, and Notes on Ventilation of Sewers, etc., by R. H. Reeves. Cr. 8vo. 68 pp. 3 Plates. 1885. Spon, 3s. 6d.

GUIDE TO SANITARY HOUSE INSPECTION: Hints on Choosing a Healthy House, by W. P. Gerhard (U.S.A.). Sq. 12mo. 3rd ed. Chapman, 4s. 6d.

MODEL ANSWERS TO QUESTIONS SET by Sanitary Institute. Cr. 8vo. 1904. 159 pp. 4th series. Sanitary Pub. Co., 2s. 6d.

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PRACTICAL SANITATION, for Sanitary Inspectors, etc., by G. Reid. Cr. 8vo. 9th ed. 358 pp. 106 Illus. 1902. Griffin, 6s.

SANITARY INSPECTOR'S HANDBOOK, by A. Taylor. Cr. 8vo. 3rd ed. 402 pp. 67 Illus. 1901. Lewis, 6s.

STUDENT'S GUIDE TO SUCCESS IN Sanitary Inspectors' Examinations, by M. Chapman. 73 pp. Illus. 1901. Sanitary Pub. Co., 1s. 6d.

(Plumbing. See section 54.)

Sewage and Sewerage.

ANALYSIS OF SEWAGE AND SEWAGE Effluents, by G. Thudichum. 1902. Sanitary Pub. Co., 5s.

BACTERIAL PURIFICATION OF SEWAGE, by S. Barwise, M.D., D.P.H. Royal 8vo. 48 pp. 10 Plates. 2 Diagrams. 1901. Lockwood, 6s.

CLEANING AND SEWERAGE OF Cities, by R. Baumeister. Med. 8vo. 2nd ed. 290 pp. Illus. Van Nostrand, N.Y., \$2.

DISCUSSION ON THE PREVAILING Theories and Practices relating to Sewage Disposal, by W. Kiersted (U.S.A.). Cr. 8vo. 182 pp. 1894. Chapman, 5s. 6d.

MODERN METHODS OF SEWAGE Disposal for Towns, Public Institutions and Isolated Houses, by G. E. Waring, Jun. Cr. 8vo. 2nd ed. 252 pp. 22 Illus. Van Nostrand, N.Y., \$2.

MODERN TREATMENT OF SEWAGE, by H. C. H. Shenton. Cr. 8vo. 1902. Whittaker, 2s. 6d. limp.

NATURAL AND ARTIFICIAL SEWAGE Treatment, by A. S. Jones and H. A. Roechling. 8vo. 104 pp. 1902. Spon, 3s. 6d.

PURIFICATION OF SEWAGE, by S. Barwise, M.D., D.P.H. Cr. 8vo. 2nd ed. 230 pp. Illus. 1904. Lockwood, 10s. 6d.

PURIFICATION OF SEWAGE AND Water, by W. J. Dibdin. Royal 8vo. 3rd ed. 357 pp. 1903. Sanitary Pub. Co., 21s.

PURIFICATION OF WATER-CARRIED Sewage, by J. C. Melliss and H. Robinson. Demy 8vo. 214 pp. 1877. Smith, Elder, 6s.

SEPARATE SYSTEM OF SEWERAGE, by C. Staley and G. S. Pierson. 8vo. 3rd ed. Illus. Van Nostrand, N.Y., \$3.

SEPTIC SYSTEM OF THE OCEAN AND the Septic Tank System at Exeter, by "Circumnavigator". 16 pp. 1901. Hodgetts, 1s.

SEWAGE ANALYSIS, by J. A. Wanklyn and W. J. Cooper. Cr. 8vo. 220 pp. 1899. Kegan Paul, 7s. 6d.

SEWAGE AND THE BACTERIAL PURIFICATION of Sewage, by S. Rideal. Royal 8vo. 2nd ed. 322 pp. 1903. Sanitary Pub. Co., 14s.

SEWAGE DISPOSAL IN THE UNITED States, by G. W. Rafter and M. N. Baker. Royal 8vo. 598 pp. 116 Illus. 7 Plates. 1898. Van Nostrand, N.Y., \$6.

SEWAGE DISPOSAL WORKS: PREVENTION of the Pollution by Sewage of Rivers and Estuaries, by W. S. Crimp. Med. 8vo. 2nd ed. 350 pp. Illus. 37 Plates. 1894. Griffin, 30s.

SEWAGE PURIFICATION, with Examples from Northampton, Dewsbury, etc., by E. Bailey-Denton. 8vo. 8 Plates. Spon, 5s.

SEWAGE QUESTION: CONDITION OF Principal Sewage Farms and Sewage Works, by H. Letheby, M.D. Cr. 8vo. 204 pp. 1872. Baillière, 4s. 6d.

SEWAGE TREATMENT, PURIFICATION and Utilisation, by J. W. Slater. Cr. 8vo. 270 pp. Illus. Whittaker, 6s.

SEWAGE WORKS ANALYSIS, by G. J. Fowler. Cr. 8vo. 144 pp. 1902. P. S. King, 6s.

SEWERAGE: DESIGNING, CONSTRUCTION and Maintenance of Sewerage Systems, by A. P. Folwell (U.S.A.). 8vo. 36 Illus. 1899. Chapman, 12s. 6d.

SEWERAGE AND LAND DRAINAGE, by Geo. E. Waring, Jun. 4to. 4th ed. Illus. Van Nostrand, N.Y., \$6.

SEWERAGE AND SEWAGE DISPOSAL, by H. Robinson. Large cr. 8vo. 192 pp. Plates. 1896. Spon, 5s.

SEWERAGE AND SEWAGE PURIFICATION, by M. N. Baker (U.S.A.). 18mo. 144 pp. Spon, 2s.

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SEWER DESIGN, by H. N. Ogden (U.S.A.). Cr. 8vo. 234 pp. 50 Illus. 5 Plates. 1898. Chapman, 8s. 6d.

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SEWERS AND DRAINS FOR POPULOUS Districts, by J. W. Adams. Demy 8vo. 228 pp. 67 Illus. 1880. Van Nostrand, N.Y., \$2.50.

TREATMENT AND UTILIZATION OF Sewage, by W. H. Corfield. Demy 8vo. 3rd ed. 510 pp. 1887. Macmillan, 16s.

(Ventilation. See section 54.)

SECTION 35.

INDIA-RUBBER.

ALL ABOUT RUBBER AND GUTTA-PERCHA, by J. Ferguson. 8vo. 3rd ed. 350 pp. Luzac, 5s. boards.

CHEMISTRY OF INDIA-RUBBER, by C. O. Weber, Ph.D. Demy 8vo. 314 pp. Illus. 1903. Griffin, 16s.

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INDIA-RUBBER AND GUTTA-PERCHA, trans. from French of T. Seeligmann, G. L. Torrilhon and H. Falconnet. Royal 8vo. 412 pp. 86 Illus. 3 Plates. 1903. Scott, Greenwood, 12s. 6d.

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SOURCES OF COMMERCIAL INDIA-RUBBER: Two Lectures, by Dr. D. Morris. 1898. Society of Arts, 2s.

(Inks. See section 30.)

SECTION 36.

INSURANCE.

General.

BOURNE'S INSURANCE DIRECTORY. Annual. Ed. by F. H. Kitchin. 8vo. 1903. E. Wilson, 5s.

INSURANCE CYCLOPÆDIA, by C. Walford. Vols. I. to V. Each 640 pp. Layton, 21s. each.

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INSURANCE: PRACTICAL EXPOSITION for Student and Business Men,

by T. E. Young. Demy 8vo. 340 pp. 1903. Pitman, 7s. 6d.

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HANDBOOK FOR FIRE INSURANCE Agents, by S. R. Weed. Spectator Co., N.Y., \$1.50.

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LAW OF LIFE INSURANCE, with a Chapter on Accident Insurance, by C. Crawley, M.A. Demy 8vo. 1882. Clowes, 12s. 6d.

LIFE ASSURANCE EXPLAINED, by W. Schooling. Cr. 8vo. 241 pp. 1897. Cassell, 1s. boards.

LIFE INSURANCE EXAMINER, by C. F. Stillman, M.S., M.D. Spectator Co., N.Y., \$3.

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PRACTICAL INFORMATION FOR LIFE Assurance Agents, by W. Hughes. Fcp. 8vo. 80 pp. Layton, 1s.

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Marine Insurance.

DIGEST OF LAW RELATING TO Marine Insurance, by M. D. Chalmers. 8vo. 2nd ed. 1903. Clowes, 10s. 6d.

EPITOME OF LAW AFFECTING Marine Insurance, by L. Duckworth. Cr. 8vo. 173 pp. 1901. E. Wilson, 3s. 6d.

LAW RELATING TO GENERAL AND Particular Average for Underwriters, by L. Duckworth. Cr. 8vo. 124 pp. 1900. E. Wilson, 2s. 6d.

MANUAL OF MARINE INSURANCE, by M. Hopkins. Demy 8vo. 544 pp. 1867. Smith, Elder, 18s.

MARINE INSURANCE, by W. Gow. Cr. 8vo. 3rd ed. 444 pp. 1903. Macmillan, 5s.

STAMP DUTIES ON SEA INSURANCES, Analysis, by A. K. Allen. Cr. 8vo. Layton, 6s.

TABLES OF MARINE INSURANCE Premiums, by C. H. Pearson. Demy 8vo. Palmer, Howe, Manchester, 10s.

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SILVERSMITH'S HANDBOOK, by G. E. Gee. 12mo. 3rd ed. 225 pp. Illus. Lockwood, 3s.

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LAND PURCHASE ACTS (IRELAND), 1870-1891, by G. Fottrell. Cr. 8vo. 3rd ed. M. H. Gill & Son, Dublin, 18s.

LAW OF ALLOTMENTS, by J. B. Little, B.A. Post 8vo. 2nd ed. 477 pp. 1895. Butterworth, 10s. 6d.

LAW OF BOUNDARIES AND FENCES, by A. Brown. Demy 8vo. 4th ed. 416 pp. 1896. Butterworth, 14s.

THE LAW RELATING TO LANDED Estates, by S. Wright. Demy 8vo. 467 pp. 1896. *Estates Gazette*, 12s. 6d.

Landlord and Tenant.

HANDBOOK OF LAW AND PRACTICE in Sales from Landlord to Tenant in Ireland, by G. Fottrell. Cr. 8vo. M. H. Gill & Son, Dublin, 5s.

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8vo. 405 pp. 1897. *Land Agent's Record*, 20s.

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LIGHT AND AIR, with Methods of Estimating Injuries to Buildings from a Legal Standpoint, by B. Fletcher. Cr. 8vo. 4th ed. 166 pp. 26 Plates. 1902. Batsford, 6s. 6d.

OUTLINE OF THE LAW OF PROPERTY, by T. Raleigh. 8vo. 147 pp. 1890. Frowde, 7s. 6d.

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VALUATION OF TENANT RIGHT, by C. E. Curtis. 1902. H. Cox, 3s. 6d.

VALUATIONS AND COMPENSATIONS, by B. Fletcher. Cr. 8vo. 2nd ed. 234 pp. 1901. Batsford, 6s. 6d.

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LEATHER WORK: STAMPED, Moulded, Cut, Sewn, etc., for Learners, by C. G. Leland, M.A. 4to. 2nd ed. 100 pp. Illus. 1901. Whittaker, 5s.

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Leather Recipes.

LEATHER WORKER'S MANUAL: Recipes and Working Formulæ, for Curriers, Bootmakers, Leather Dressers, Saddlers, etc., by H. C. Standage. Demy 8vo. 2nd ed. 165 pp. 1902. Scott, Greenwood, 7s. 6d.

SECTION 40.

LEGAL.

General.

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EVERY MAN'S OWN LAWYER: Principles of Law and Equity, by a Barrister. Cr. 8vo. 39th ed. 750 pp. 1901. Lockwood, 6s. 8d.

GUIDE TO THE HIRE AND EASY-PAYMENT Systems, ed. by S. J. Sewell. Cr. 8vo. 167 pp. 1902. Sewell & Co., 3s. 6d.

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OUTLINE OF THE LAW OF LIBEL: Six Lectures by W. B. Odgers. Gl. 8vo. 230 pp. 1897. Macmillan, 3s. 6d.

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DIGEST OF LAW AND ARBITRATION Cases. Demy 8vo. 1903. *Estates Gazette*, 12s. 6d.

DUTIES OF AN ARBITRATOR UNDER Workmen's Compensation Act, by A. Mozley-Stark. Royal 12mo. 144 pp. 1898. Stevens & Sons, 5s.

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LAW OF ARBITRATIONS, by B. Fletcher. Post 8vo. 2nd ed. 1893. Batsford, 6s. 6d.

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LONDON CHAMBER OF ARBITRATION: Law and Practice, by M. Shearman and T. W. Haycraft. 2nd ed. E. Wilson, 2s. 6d.

REDRESS BY ARBITRATION: DIGEST of Law Relating to Arbitration and Award, by H. F. Lynch. 3rd ed. 95 pp. 1898. E. Wilson, 5s.

Bankruptcy Law.

BANKRUPTCY: Manual of Practical Law, by C. F. Morrell. Cr. 8vo. 324 pp. 1891. A. & C. Black, 5s.

BANKRUPTCY, by T. M. Stevens, D.C.L. Demy 8vo. 2nd ed. 269 pp. 1899. Gee, 7s. 6d.

BANKRUPTCY ACTS, 1883 to 1893, with Rules, Forms, etc., by Judge Chalmers and E. Hough. Demy 8vo. 5th ed. 904 pp. 1902. Waterlow, 25s.

LAW AFFECTING TRUSTEES IN Bankruptcy, by L. Duckworth. Cr. 8vo. 70 pp. 1900. E. Wilson, 1s.

LAW OF BANKRUPTCY, by C. E. Stewart. 12mo. 200 pp. 1901. E. Wilson, 2s. limp.

LAW OF TRUSTEES IN BANKRUPTCY, Liquidators and Receivers, by W. R. Willson, B.A. Demy 8vo. 188 pp. 1897. Gee, 5s.

LEXICON FOR THE USE OF TRUSTEES in Bankruptcy and Liquidators of Companies, by S. S. Dawson. Cr. 8vo. 411 pp. 1899. Gee, 10s.

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PRECEDENTS OF DEEDS OF ARRANGEMENT between Debtors and their Creditors, by A. Lawrence. Demy 8vo. 5th ed. 183 pp. 1900. Stevens & Sons, 7s. 6d.

PRINCIPLES OF BANKRUPTCY, by R. Ringwood. 8vo. 8th ed. 1902. Stevens & Haynes, 10s. 6d.

RIGHTS AND DUTIES OF TRUSTEES

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TRUSTEES IN BANKRUPTCY: DUTIES, Powers and Responsibilities, by S. Wright. Fcp. 8vo. 60 pp. *Estates Gazette*, 1s. 6d.

(Companies. See section 15.)

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COMMERCIAL LAW, by W. D. Edwards, LL.B. Cr. 8vo. 227 pp. 1900. Methuen, 2s.

COMMERCIAL LAW, for Commercial Classes, by J. E. C. Munro, LL.D. Gl. 8vo. 191 pp. 1899. Macmillan, 3s. 6d.

COMMERCIAL LAW IN ENGLAND, for Advanced Classes, by J. A. Slater. Cr. 8vo. 214 pp. 1902. Pitman, 2s. 6d.

ELEMENTS OF MERCANTILE LAW, by T. M. Stevens, M.A., B.C.L. Post 8vo. 4th ed. 420 pp. 1903. Butterworth, 10s. 6d.

MATHER'S PRACTICE OF THE COMMERCIAL COURT. Cr. 8vo. 1902. Butterworth, 5s.

MERCHANDISE MARKS ACT, 1887, by H. Payn. Royal 12mo. 132 pp. 1888. Stevens & Sons, 3s. 6d.

MERCHANT'S CLERK: LAW AND Customs of the Counting-house, by J. Pearce. 12mo. 24th ed. 123 pp. 1901. E. Wilson, 2s.

PRACTICE OF THE COMMERCIAL COURT, by F. Mathew. Cr. 8vo. 1902. Butterworth, 5s.

TEXT-BOOK ON COMMERCIAL LAW, by S. C. Clark. 312 pp. 12mo. Maynard Merrill, N.Y., \$1.

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COMMISSION LAW, by G. St. Leger Daniels. Cr. 8vo. *Estates Gazette*, 3s. 6d.

COMPENDIUM OF COMMISSION Cases: Cases as to Auctioneers' and Estate Agents, by G. St. Leger Daniels. Cr. 8vo. 3rd ed. 394 pp. 1900. *Estates Gazette*, 6s.

LAW RELATING TO COMMISSION Agents, Auctioneers, Estate and House Agents, by H. M. Givens, B.A. Fcp. 8vo. 172 pp. 1898. Clement Wilson, 2s. 6d.

LAW RELATING TO FACTORS, MERCANTILE Agents who Sell and Buy Goods on Commission, etc., by P. T. Blackwell, B.A. Demy 8vo. 191 pp. 1897. E. Wilson, 5s.

LAW RELATING TO REMUNERATION of Commission Agents, by W. Evans, B.A. Cr. 8vo. 2nd ed. 270 pp. 1900. Horace Cox, 7s. 6d.

SALE OF GOODS ACT, 1893, including Factors Acts, 1889 and 1896, by M. D. Chalmers. 8vo. 4th ed. 1900. Clowes, 10s. 6d.

TRADER'S GUIDE TO LAW AFFECTING Sale of Goods, by L. Duckworth. Cr. 8vo. 68 pp. 1900. E. Wilson, 1s. 6d. limp.

Contract Law.

LAW OF CONTRACTS, by J. C. Wait (U.S.A.). 8vo. 331 pp. 1901. Chapman, 12s. 6d.

MANUAL OF THE LAW OF CONTRACT, for Students, by J. G. Colclough, B.A., and M. M. Ullah. Cr. 8vo. 354 pp. 1895. Jordan, 5s.

PRINCIPLES OF ENGLISH LAW OF Contract and of Agency, by Sir W. R. Anson. Royal 8vo. 10th ed. 391 pp. 1903. Frowde, 10s. 6d.

TREATISE ON THE SPECIFIC PERFORMANCE of Contracts, by Sir E. Fry. 4th ed. 1903. Stevens & Sons, 36s.

VALIDITY OF CONTRACTS IN RESTRAINT of Trade, by W. A. Jolly. 12mo. E. Wilson, 1s.

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COUNTY COURT PRACTICE MADE Easy, or Debt Collection Simplified, by a Solicitor. Cr. 8vo. 2nd ed. 152 pp. 1903. E. Wilson, 2s. 6d.

HANDY GUIDE TO AN ORDINARY Action in the County Court, by E. E. Wickham. Cr. 8vo. 264 pp. 1894. Hazell, 5s.

Licensing Law, Clubs.

LAW OF INNKEEPERS AND Licensing Acts, by T. W. Haycraft. 12mo. 120 pp. 1892. E. Wilson, 1s. 6d.

LAW OF LICENSING IN ENGLAND: Intoxicating Liquors, Theatres, etc. 8vo. 2nd ed. 828 pp. 1902. Clowes, 18s.

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PAWNBROKER'S, FACTOR'S AND Merchant's Guide to the Law of Loans and Pledges, by H. C. Folkard. Lockwood, 3s. 6d.

PAWNBROKER'S LEGAL HANDBOOK, Based on Act of 1872, by Chan-Toon and J. Bruce. 12mo. 48 pp. 1895. E. Wilson, 1s. limp.

TURNER'S PAWNBROKERS' ACT, 1872. 12mo. 3rd ed. 1883. Clowes, 2s. 6d.

(Railway Law. See Section 57.)

(Sale of Goods. See Commission Law.)

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BOOK OF PRACTICAL FORMS, for Use in Solicitors' Offices. Vol. I. Cr. 8vo. 492 pp. 1897. E. Wilson, 5s.

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HANDY BOOK ON INVESTMENT OF Trust Funds, by R. D. Urlin. 12mo. 3rd ed. 1902. E. Wilson, 1s. limp.

INVESTMENT OF TRUST FUNDS under New Law, by R. D. Urlin. Cr. 8vo. 3rd ed. 1902. E. Wilson, 1s.

LAW OF TRUSTEES UNDER ACT, 1893, and Judicial Trustees Act, 1896, by R. D. Urlin. 12mo. E. Wilson, 1s.

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TRUSTEE ACT, 1893, including Guide for Trustees to Investments, by A. L. Ellis. Royal 12mo. 5th ed. 1894. Stevens & Sons, 6s.

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DUTIES OF EXECUTORS, by F. W. Dendy. 8th ed. 1902. Waterlow, 1s. 6d.

EXECUTORS AND ADMINISTRATORS: Their Duties and Liabilities; How to Prove a Will, by G. F. Emery, LL.M. Cr. 8vo. 158 pp. 1899. E. Wilson, 2s.

EXECUTORSHIP LAW AND ACCOUNTS, by F. Whinney and A. F. Whinney. Demy 8vo. 2nd ed. Gee, 7s. 6d.

LAW OF WILLS, EXECUTORS AND ADMINISTRATORS, by W. A. Holdsworth; with **Death Duties**, by G. S. Bower, B.A. Fcp. 8vo. 255 pp. 1894. Routledge, 1s.

LAW OF WILLS, FOR TESTATORS, by G. F. Emery, LL.M. 12mo. 96 pp. 1900. E. Wilson, 1s. 6d. limp.

STUDENT'S GUIDE TO EXECUTORSHIP Accounts, by R. N. Carter, A.C.A. Cr. 8vo. 115 pp. 1899. Gee, 3s. 6d.

WAY TO PROVE A WILL AND TO Make Out Administration, by A. Rumsey. 12mo. 165 pp. 1902. Jordan, 1s. 6d.

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WILLS AND INTESTATE SUCCESSION: Manual of Practical Law, by J. Williams, B.C.L., M.A. Cr. 8vo. 284 pp. 1891. A. & C. Black, 5s.

SECTION 41.**METALLURGY.****General.**

ADVANCED METALLURGY, for Students, by W. H. Greenwood. 2 vols. Vol. I. Fuel, Iron, Steel, Tin, Antimony, etc. 344 pp. 71 illus. 1885. 3s. 6d. Vol. II. Copper, Lead, Zinc, Mercury, Silver, Gold. Cr. 8vo. 371 pp. 67 illus. 3s. Collins.

CHLORINATION PROCESS, by E. B. Wilson (U.S.A.). 12mo. 125 pp. 1897. Chapman, 6s. 6d.

DENTAL METALLURGY: MANUAL for Students and Dentists, by A. B. Griffiths, Ph.D. Demy 8vo. 200 pp. 36 illus. 1903. Scott, Greenwood, 7s. 6d.

ELEMENTARY TEXT-BOOK OF Metallurgy, for Students, by A. H. Sexton. Cr. 8vo. 3rd ed. 263 pp. 71 illus. 1903. Griffin, 6s.

ELEMENTS OF METALLURGY, by W. J. Harrison. Fcp. 8vo. 250 pp. 70 illus. 1894. Blackie, 2s. 6d.

ELEMENTS OF METALLURGY, by J. A. Phillips; revised by H. Bauerman. Large 8vo. 3rd ed. 909 pp. 238 illus. 3 Plates. 1891. Griffin, 36s.

HANDBOOK OF METALLURGY, by C. Schnabel; trans. by H. Louis. 2 vols. Med. 8vo. 1898. Vol. I. Copper, Lead, Silver, Gold. 876 pp. 570 illus. Vol. II. Zinc, Mercury, Tin, Aluminium, etc. 730 pp. 356 illus. Macmillan, 42s.

INTRODUCTION TO METALLURGICAL Chemistry, for Students, by J. H. Stansbie. Cr. 8vo. 208 pp. 1903. Simpkin, 4s. 6d.

INTRODUCTION TO STUDY OF Metallurgy, by Sir W. C. R. Austen. Demy 8vo. 5th ed. 532 pp. 1902. Griffin, 18s.

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ALLOYS AND THEIR CONSTITUENTS, by R. H. Thurston (U.S.A.). 8vo. 2nd ed. Chapman, 10s. 6d.

BRASS-FOUNDER'S ALLOYS, by J. F. Buchanan. Cr. 8vo. 129 pp. 26 Illus. 1901. Spon, 4s. 6d.

IRON, STEEL AND OTHER ALLOYS, by H. M. Howe (U.S.A.). 8vo. 470 pp. 1903. *Engineering and Mining Journal*, 24s.

METALLIC ALLOYS: THE MANUFACTURE OF ALLOYS, AMALGAMS AND SOLDER USED BY METALWORKERS. 8vo. 554 pp. 34 Illus. Baird, Philadelphia, \$4.50.

MIXED METALS AND METALLIC ALLOYS, by A. H. Hiorns. Demy 8vo. 445 pp. 45 Illus. 1901. Macmillan, 6s.

Aluminium.

ALUMINIUM: ITS HISTORY, OCCURRENCE, METALLURGY AND APPLICATIONS, by J. W. Richards. Med. 8vo. 3rd ed. 664 pp. 1896. Baird, Philadelphia, \$6.

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AIDS TO THE ANALYSIS AND ASSAY OF ORES AND FUELS, by J. J. Morgan. Fcp. 8vo. 98 pp. 8 Illus. 1902. Baillière, 2s. 6d.

ASSAYER'S GUIDE, by O. M. Lieber. 12mo. 283 pp. Baird, Philadelphia, \$1.50.

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MANUAL OF ASSAYING: FIRE ASSAY OF GOLD, SILVER AND LEAD, by A. S. Miller (U.S.A.). 12mo. 91 pp. 38 Illus. 1900. Chapman, 4s. 6d.

MANUAL OF ASSAYING GOLD, SILVER, COPPER AND LEAD ORES, by W. L. Brown. Cr. 8vo. 9th ed. 577 pp. 132 Illus. 1900. Spon, 12s. 6d.

MANUAL OF PRACTICAL ASSAYING, by H. van F. Furman (U.S.A.). Med. 8vo. 4th ed. 390 pp. Illus. Chapman, 12s. 6d.

METALLURGICAL ANALYSIS AND ASSAYING: THREE YEARS' COURSE FOR STUDENTS, by W. A. Macleod and C. Walker. Royal 8vo. 330 pp. 109 Illus. 1903. Griffin, 12s. 6d.

MICROSCOPIC ANALYSIS OF METALS, by F. Osmond, trans. by J. E. Stead. Cr. 8vo. 188 pp. 1904. Griffin, 7s. 6d.

NOTES ON ASSAYING, by P. de P. Richetts (U.S.A.). Demy 8vo. 311 pp. 39 Illus. 1897. Chapman, 12s. 6d.

PRACTICAL INSTRUCTIONS IN QUANTITATIVE ASSAYING WITH THE BLOWPIPE, by E. L. Fletcher (U.S.A.). Cr. 8vo. 1894. Chapman, 6s. 6d.

TEXT-BOOK OF ASSAYING, by C. and J. J. Beringer. Cr. 8vo. 9th ed. 472 pp. 82 Illus. 1904. Griffin, 10s. 6d.

(See also Iron Analysis below.)

Copper.

COPPER HANDBOOK : MANUAL OF Copper Industry of World. (U.S.A.). Vol. III. for 1902. 8vo. 600 pp. Vol. IV. for 1903. Gay & Bird, 22s. 6d. each.

HYDRO-METALLURGY OF COPPER, by M. Eissler. Demy 8vo. 240 pp. 1902. Lockwood, 12s. 6d.

MODERN COPPER SMELTING, by Dr. E. D. Peters (U.S.A.). Demy 8vo. 10th ed. 642 pp. Plates and Illus. 1899. Scien. Pub. Co., 21s.

MODERN ELECTROLYTIC COPPER Refining, by T. Ulke (U.S.A.). Demy 8vo. 170 pp. 85 Illus. 1903. Chapman, 12s. 6d.

Electro-smelting, Refining.

ART OF ELECTROLYTIC SEPARATION of Metals, by G. Gore. 300 pp. 106 Illus. *Electrician*, 10s. 6d.

ELECTRIC SMELTING AND REFINING, trans. from Dr. W. Borchers. Large 8vo. 416 pp. 188 Illus. 3 Plates. 1897. Griffin, 21s.

TREATISE ON ELECTRO-METALLURGY, by W. G. McMillan. Large cr. 8vo. 2nd ed. 440 pp. 109 Illus. 1899. Griffin, 10s. 6d.

Gold Mining and Milling.

ACCOUNTS OF GOLD MINING AND Exploration Companies, with Instructions for Rendering to Head Office, by T. Donald. Demy 8vo. 2nd ed. 55 pp. 1901. E. Wilson, 3s. 6d.

CYANIDE PRACTICE, by A. James. Cr. 4to. 174 pp. 12 Plates. 9 Plans. 1901. Spon, 15s.

CYANIDE PROCESS FOR GOLD AND Silver Ores, by E. B. Wilson. (U.S.A.). 2nd ed. 116 pp. 1897. Chapman, 6s. 6d.

CYANIDE PROCESS OF GOLD EXTRACTION, by M. Eissler. Large cr. 8vo. 2nd ed. 158 pp. 1898. Lockwood, 7s. 6d.

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DIAMOND DRILLING FOR GOLD and other Minerals, by G. A. Denny. Med. 8vo. 168 pp. Illus. 1900. Lockwood, 12s. 6d.

FIELD TESTING FOR GOLD AND Silver, by W. H. Merritt. 18mo. Illus. Plates. 156 pp. 1900. Lockwood, 5s.

GETTING GOLD, by J. C. F. Johnson. Large cr. 8vo. 2nd ed. 204 pp. 50 Illus. 1898. Griffin, 3s. 6d.

GOLD MINING AND MILLING IN Western Australia, by A. G. Charleston. Imp. 8vo. 662 pp. 1903. Spon, 25s.

HANDBOOK OF GOLD MILLING, by H. Louis. Cr. 8vo. 2nd ed. 591 pp. 134 Illus. 1899. Macmillan, 10s.

HANDBOOK OF PRACTICAL CYANIDE Operations, by W. H. Gaze, M.D. 8vo. Illus. 9 Plates. Spon, 7s. 6d.

HYDRAULIC GOLD MINER'S Manual, by T. S. G. Kirkpatrick, M.A. 12mo. 2nd ed. 46 pp. Illus. 1897. Spon, 4s.

LAW OF GOLD MINING IN Australia and New Zealand, by H. J. Armstrong. Royal 8vo. 2nd ed. 1901. Sweet & Maxwell, 40s.

METALLURGY OF GOLD, by M. Eissler. Med. 8vo. 5th ed. 664 pp. 300 Illus. Plates. 1900. Lockwood, 21s.

METALLURGY OF GOLD, by T. K. Rose; ed. by Sir W. C. Roberts-Austen. Demy 8vo. 4th ed. 570 pp. 1902. Griffin, 21s.

ORGANISATION OF GOLD MINING Business, with Specimens of Departmental Report Books, by N. Brown. Fcp. folio. Spon, 25s.

PRACTICAL GOLD MINING, by C. G. W. Lock. Royal 8vo. 271 Illus. 8 Plates. Spon, 42s.

PRACTICAL GOLD MINING : ITS Commercial Aspects, Collection of Statistics, etc. 8vo. 216 pp. 1902. W. R. Russell, 15s.

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PROSPECTING FOR GOLD, by D. J. Rankin. Fcp. 8vo. 178 pp. 1901. Lockwood, 7s. 6d.

STAMP MILLING OF GOLD ORES, by T. A. Richard (U.S.A.). 2nd ed. 260 pp. Illus. 1899. Scientific Pub. Co., 10s. 6d.

Iron Analysis and Metallurgy.

ANALYSES OF PIG-IRON, by Seymour R. Church. 2 vols. Vol. I. 1900. Vol. II. 1903. S. R. Church, San Francisco, \$5 each.

CAST-IRON: RECORD OF ORIGINAL RESEARCH, by W. J. Keep. 8vo. 225 pp. 117 Illus. 1902. Wiley, N.Y., \$2.50.

CHEMICAL ANALYSIS OF IRON, by A. A. Blair. 5th ed. 319 pp. 105 Illus. 1902. Lippincott, 18s.

IRON ORES OF GREAT BRITAIN and Ireland, by J. D. Kendall. Cr. 8vo. 430 pp. 41 Illus. 5 Plates. 1893. Lockwood, 16s.

METALLURGY OF CAST-IRON, by T. D. West. Cr. 8vo. 6th ed. 627 pp. 153 Illus. 1903. Spon, 12s. 6d.

METALLURGY OF IRON, by T. Turner. Large cr. 8vo. 2nd ed. 367 pp. 80 Illus. 1900. Griffin, 16s.

METHODS FOR ANALYSIS OF ORES, Pig-iron and Steel, by F. C. Phillips. 2nd ed. 170 pp. 1901. Chemical Pub. Co., Easton, Pa., U.S.A., \$1.

PRACTICAL MANUAL OF CHEMICAL ANALYSIS and Assaying, by L. L. de Koninck and E. Dietz. 12mo. 282 pp. Baird, Philadelphia, \$1.50.

SIDEROLGY: THE SCIENCE OF Iron (Constitution of Iron Alloys and Slags), trans. from German of H. F. v. Jüptner. Demy 8vo. 350 pp. 10 Illus. 11 Plates. 1902. Scott, Greenwood, 10s. 6d.

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TREATISE ON THE METALLURGY of Iron, by H. Bauerman. 12mo. 5th ed. 515 pp. Illus. Baird, Philadelphia, \$2.

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Lead.

LEAD AND ITS COMPOUNDS, by T. Lambert. Demy 8vo. 226 pp. 40 Illus. 1902. Scott, Greenwood, 7s. 6d.

LEAD SMELTING: CONSTRUCTION, Equipment and Operation of Lead Blast Furnaces, by M. W. Iles (U.S.A.). Cr. 8vo. 211 pp. 11 Illus. 1902. Chapman, 10s. 6d.

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(Mining. See section 43.)

Silver.

CYANIDE PROCESS OF GOLD AND Silver Ores, by E. B. Wilson. (U.S.A.). Cr. 8vo. 2nd ed. 116 pp. 1897. Chapman, 6s. 6d.

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METALLURGY OF SILVER, by M. Eissler. Cr. 8vo. 3rd ed. 362 pp. 150 Illus. 1896. Crosby Lockwood, 10s. 6d.

METALLURGY OF SILVER, GOLD and Mercury in the United States, by T. Egleston, LL.D. 2 vols.

Royal 8vo. Vol. I. Silver. 1887.
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Engineering, 31s. 6d. each.

Steel.

AMERICAN STANDARD SPECIFICATIONS for Steel, by A. L. Colby. Cr. 8vo. 2nd ed. 103 pp. 1902. Chemical Pub. Co., Easton, Pa., \$1.10.

AMERICAN STEELWORKER, by E. R. Markham. Cr. 8vo. 343 pp. 160 illus. 1903. Derry-Collard Co., N.Y.,

ANALYSIS OF STEELWORKS MATERIALS, by H. Brearley. 8vo. 518 pp. illus. 1902. Longmans, 14s.

CUPOLA FURNACE, by E. Kirk. Med. 8vo. 2nd ed. 361 pp. 80 illus. 1902. Baird, Philadelphia, \$3.50.

DRAWINGS RELATING TO OPEN-Hearth Steel, by M. A. Pavloff. Part I. Furnaces. Obl. folio. 52 Plates. 1904. A. Owen & Co., 15s.

HARDENING AND TEMPERING OF Steel in Theory and Practice, trans. from German of F. Reiser. Cr. 8vo. 120 pp. 1903. Scott, Greenwood, 5s.

HARDENING, TEMPERING, ANNEALING and Forging of Steel, by J. V. Woodworth (U.S.A.). Royal 8vo. 288 pp. 1903. Gay & Bird, 12s. 6d.

KRUPP'S STEELWORKS, trans. from German of F. C. G. Müller. 4to. 196 pp. 88 illus. 1898. Heine-mann, 25s.

MANAGEMENT OF STEEL, by G. Ede. Cr. 8vo. 7th ed. Spon, 5s.

MANUFACTURE OF STEEL, by F. Overman. 12mo. 285 pp. Baird, Philadelphia, \$1.50.

MECHANICAL TREATMENT OF STEEL, by J. W. Hall. Royal 8vo. 782 pp. 1904. Griffin, 25s.

METALLURGY OF STEEL, by F. W. Harbord, 1904, Griffin, 25s.

METALLURGY OF STEEL, by H. M. Howe (U.S.A.). Royal 4to. 4th ed. Spon, 42s.

MICROSCOPIC INTERNAL FLAWS, Inducing Fracture in Steel, by T. Andrews. 8vo. 1897. Spon, 2s.

POINTS FOR BUYERS AND USERS of Tool Steel, by G. W. Alling.

8vo. 224 pp. 1903. D. Williams & Co., N.Y., \$2.

STEEL AND IRON FOR ADVANCED Students, by A. H. Hioris. Cr. 8vo. 530 pp. 1903. Macmillan, 10s. 6d.

STEEL: MANUAL FOR STEEL USERS, by W. Metcalf (U.S.A.). Cr. 8vo. 170 pp. illus. 1896. Chapman, 8s. 6d.

STEELWORKS ANALYSIS, by J. O. Arnold. Cr. 8vo. 2nd ed. 350 pp. 22 illus. 1900. Whittaker, 10s. 6d.

TOOL STEEL: CONCISE HANDBOOK on Tool Steel in General, trans. from O. Thallner (U.S.A.). Royal 8vo. 196 pp. 69 illus. 1902. Low, 10s. 6d.

TREATISE ON STEEL: THEORY, Metallurgy and Properties, by M. H. C. Landrin, Jun., trans. from French. Cr. 8vo. 352 pp. Baird, Philadelphia, \$2.50.

USE OF STEEL FOR CONSTRUCTIVE Purposes, by J. Barba. 12mo. Van Nostrand, N.Y., \$1.50.

WEIGHTS OF STEEL BARS IN Flats, Squares, Rounds, etc., and Weight of Sheets, by F. Barker. Cr. 8vo. 2nd ed. 36 pp. 1898. Feildon Pub. Co., 1s. limp.

(Iron Analysis. See above.)

Tin.

CORNISH MINING TIN. 4to. 1903. *Mining Journal*, 2s. 6d.

PRODUCTION OF TIN, with Map, by H. Louis, M.A. *Mining Journal*, 3s.

TIN: DESCRIBING THE CHIEF Methods of Mining, Dressing and Smelting it Abroad, by A. G. Charleton. Large cr. 8vo. 83 pp. 14 Plates. 1884. Spon, 12s. 6d.

TIN MINING IN SPAIN, by W. C. Borlase. 4to. 40 pp. illus. 1898. E. Wilson, 2s. 6d.

Zinc.

METALLURGY OF ZINC, by W. R. Ingalls. Royal 8vo. 700 pp. 1903. *Engineering and Mining Journal*, 25s.

PRODUCTION AND PROPERTIES OF Zinc, by W. R. Ingalls. Royal 8vo. 350 pp. illus. 1903. *Engineering and Mining Journal*, 12s. 6d.

SECTION 42.

MILITARY.

Administration, Officers.

AIDS TO MANŒUVRE DUTIES, by an Adjutant. 32mo. 39 pp. 1900. Gale & Polden, 6d. limp.

ARMY OFFICER'S EXAMINER, by Lieut.-Col. W. H. Powell (U.S.A.). Cr. 8vo. 2nd ed. 625 pp. Illus. 4550 Questions and Answers. 1899. Chapman, 17s.

CATECHISM ON FIELD TRAINING, by L. Davidson. Cr. 8vo. 2nd ed. 1903. Gale & Polden, 2s. 6d.

MILITIA AND VOLUNTEER OFFICERS: Guide to Promotion from Subaltern to Field Officer, by S. T. Banning. Cr. 8vo. 170 pp. 1903. Gale & Polden, 3s. 6d.

MILITIA OFFICERS' EXAMINER, from Rank of Lieutenant to Field Officer, by Major H. S. Thompson. 11th ed. 1903. Eyre & Spottiswoode, 4s. 6d.

MILITIA OFFICER'S GUIDE TO Promotion from Rank of Lieutenant to Field Officer, by Captain W. Plomer. Cr. 8vo. 143 pp. 1899. Gale & Polden, 3s. 6d. limp.

MILITIA OFFICER'S INSTRUCTOR, by G. W. Redway. 12mo. 246 pp. 1903. Paul, 4s. 6d.

NON-COMMISSIONED OFFICER'S Guide to Promotion, by Captain G. D'Arcy Evans. Cr. 8vo. 328 pp. Illus. 1901. Gale & Polden, 3s. 6d.

NOTES ON MANŒUVRES, compiled by Colonel C. A. Bridge, C.B. 1898. Eyre & Spottiswoode, 2s.

NOTES ON WRITING ORDERS AND Reports in the Field, by H. C. Evans. 16mo. 1902. Gale & Polden, 2s. limp.

ORGANISATION AND EQUIPMENT Made Easy, for Promotion Examinations, by Major S. T. Banning, LL.B., B.A., LL.D. 2nd ed. 142 pp. 1901. Gale & Polden, 4s. 6d.

PERMANENT SYSTEM OF MILITARY Administration, for Officers, by Major J. W. Buxton. Small cr. 8vo. 560 pp. 1883. Kegan Paul, 7s. 6d.

PRINCIPLES OF LAND DEFENCE and their Application to the Conditions of To-day, by H. F. Thuillier. 8vo. 396 pp. 1902. Longmans, 12s. 6d.

REGIMENTAL DUTIES MADE EASY, for Promotion Examinations, by Major S. T. Banning, LL.B., LL.D., B.A. Cr. 8vo. 162 pp. 1900. Gale & Polden, 5s. limp.

VOLUNTEER OFFICER'S GUIDE TO Promotion and Sergeant's Guide to Proficiency in the Infantry, by Captain G. D'Arcy Evans. Cr. 8vo. 279 pp. Illus. 1899. Gale & Polden, 3s. 6d. limp.

Ambulance.

AMBULANCE HANDBOOK FOR Volunteers and Others, by J. A. Raye, L.R.C.P.I. Cr. 8vo. 16 Plates. 1884. Churchill, 3s. 6d.

MANUAL OF AMBULANCE, by G. S. Riddell. Cr. 8vo. 240 pp. 1904. Griffin, 4s.

MANUAL OF AMBULANCE TRANSPORT, by Surgeon-General Sir T. Longmore, C.B. 2nd ed. 1893. Eyre & Spottiswoode, 6s.

SOLDIER'S FIRST AID HANDBOOK, by W. D. Dietz (U.S.A.). 16mo. 94 pp. 1891. Chapman, 5s. 6d.

(First Aid, Hospitals. Section 32.).

Artillery.

FIELD ARTILLERY: ITS EQUIPMENT, Organisation and Tactics, by Lieut.-Col. S. C. Pratt. Cr. 8vo. 7th ed. 250 pp. 1900. Kegan Paul, 6s.

HANDBOOK OF LIGHT ARTILLERY, by A. B. Dyer (U.S.A.). Cr. 8vo. 521 pp. 135 Illus. 1896. Chapman, 12s. 6d.

MANUAL OF HYDRAULICS FOR Garrison Artillery. 1896. Eyre & Spottiswoode, 4s. 6d.

MODERN FRENCH ARTILLERY, by J. Dredge. Imp. 4to. 500 pp. 700 Illus. 1892. *Engineering*, 50s.

TACTICAL EMPLOYMENT OF QUICK-FIRING Field Artillery, by G. Rouquerol; trans. from French. Cr. 8vo. 250 pp. 1903. Rees, 6s.

Cavalry.

CAVALRY ELEMENTARY VETERINARY Manual, for Officers Attending Veterinary Classes, by Surgeon-Captain B. Seton. Cr. 8vo. 110 pp. 1895. Gale & Polden, 2s. 6d.

CAVALRY OUTPOST DUTIES, by F. de Brach; trans. from French by Major C. C. Carr (U.S.A.). 16mo. Chapman, 8s. 6d.

HINTS ON STABLE MANAGEMENT for Cavalry, by Major M. F. Rimington. 32mo. 70 pp. Gale & Polden, 1s. limp.

INSTRUCTIONS FOR THE TRAINING, Employment and Leading of Cavalry, by Major-General C. von Schmidt; trans. by Captain C. W. B. Bell. 1898. Eyre & Spottiswoode, 3s. 6d.

NOTES ON CAVALRY TACTICS, Organisation, etc., with Diagrams, by a Cavalry Officer. Demy 8vo. 282 pp. 1878. Kegan Paul, 12s.

QUESTIONS AND ANSWERS ON Cavalry Outposts, by Major R. H. Morrison. 32mo. 64 pp. Gale & Polden, 1s. limp.

STUDIES IN CAVALRY TROOP Leading, by Colonel J. von Verdy du Vernois; trans. by W. H. Harrison. 2nd ed. 1891. Eyre & Spottiswoode, 5s.

(Horses. See section 31.)

Commissariat.

ART OF SUBSISTING ARMIES IN War, by Major H. G. Sharpe (U.S.A.). 16mo. 222 pp. 1893. Chapman, 6s. 6d.

MILITARY CARRIAGES AND OTHER Stores Connected with Them. 5th ed. 1895. Eyre & Spottiswoode, 6s.

MILITARY COOKING MANUAL. 1899. Eyre & Spottiswoode, 6d.

Drawing, Maps.

ARMY GEOMETRICAL DRAWING and Geography Papers. Demy 8vo. 90 pp. 1901. Simpkin, 4s.

HOW TO PASS IN TOPOGRAPHY, by G. W. Redway. 12mo. 320 pp. 1904. Kegan Paul, 7s. 6d.

MILITARY ATLAS. 4to. 40 pp. 116 Maps and Plans. 1900. Gale & Polden, 2s.

MILITARY SKETCHING MADE EASY, by Colonel H. D. Hutchinson. Post 8vo. 5th ed. 208 pp. 34 Plates and Illus. 1891. Gale & Polden, 4s.

MILITARY TOPOGRAPHY, by Major-General W. E. Montague. Cr. 8vo. 64 pp. 41 Diagrams. 1893. Blackwood, 5s.

OUTLINES OF MILITARY GEOGRAPHY, by T. M. Maguire. Cr. 8vo. 370 pp. 27 Illus. 1899. Cambridge University Press, 10s. 6d.

PRACTICAL MILITARY SKETCHING, by C. F. V. Byl. Post 8vo. 75 pp. 7 Plates. 1901. Gale & Polden, 3s. 6d.

QUESTIONS AND ANSWERS IN THE Theory and Practice of Military Topography, by Major J. H. Bowhill. Cr. 8vo. 172 pp. 34 Drawings. 1898. Blackwood, 8s.

STUDIES IN MAP READING AND Field Sketching, by Lieut.-Col. W. J. Shaw. 12mo. 160 pp. 1902. Kegan Paul, 6s.

TOPOGRAPHICAL DRAWING AND Sketching, by Lieutenant H. A. Reed (U.S.A.). 4to. 4th ed. 66 pp. 57 Illus. Chapman, 21s.

Drill.

ATTACK DRILL MADE EASY, by W. Gordon. 32mo. 11th ed. 134 pp. Illus. 1899. Gale & Polden, 2s. limp.

BATTALION DRILL MADE EASY, by Captain L. Davidson. 32mo. 10th ed. 339 pp. Illus. 1901. Gale & Polden, 2s. 6d.

COMPANY DRILL MADE EASY, by Captain L. Davidson. 32mo. 176 pp. Illus. 1900. Gale & Polden, 1s. 6d. limp.

GUIDES AND MARKERS' DUTIES IN Company, Battalion and Brigade Movements, by Captain L. Davidson. 32mo. 10th ed. 322 pp. Illus. 1898. Gale & Polden, 2s. limp.

Explosives.

COMPRESSED GUN COTTON FOR Military Use, trans. from German of Max v. Förster. 18mo. 164 pp. Spon, 2s. boards.

DICTIONARY OF EXPLOSIVES, by Cundall and Thompson (supplied by

permission of Home Office). Eyre & Spottiswoode, 21s.

DISCOVERY OF PICRIC ACID (Melinite, Lyddite) as a Powerful Explosive, by H. Sprengel. 2nd ed. 1903. Eyre & Spottiswoode, 2s.

EXPLOSIVE MATERIALS: PHENOMENA and Theories of Explosives and their Classification, Constitution, and Preparation, by Lieutenant J. P. Wisser (U.S.A.). 18mo. 160 pp. Spon, 2s.

GUIDE BOOK TO EXPLOSIVES ACT, 1875, by Sir V. D. Majendie. 1902. Eyre & Spottiswoode, 2s. 6d.

LARGE EXPLOSIVES AND THEIR Radii of Danger, by Lieut.-Col. J. T. Bucknill. Demy 4to. 1883. *Engineering*, 2s. 6d. paper.

LECTURES ON EXPLOSIVES, by W. Walke (U.S.A.). 8vo. 2nd ed. Chapman, 17s.

MACHINERY FOR THE MANUFACTURE of Smokeless Powder, by O. Guttman. 51 pp. 5 Plates. 1901. Institute of Civil Engineers.

MANUFACTURE OF EXPLOSIVES, by O. Guttman. 2 vols. Med. 8vo. 892 pp. 328 illus. 1895. Whittaker, 42s.

MODERN HIGH EXPLOSIVES: Nitro-Glycerine and Dynamite, by M. Eissler (U.S.A.). Demy 8vo. 3rd ed. 395 pp. 129 illus. 1893. Chapman, 17s.

SMOKELESS POWDER, NITROCELLULOSE and Theory of Cellulose Molecule, by J. B. Bernadou (U.S.A.). Cr. 8vo. 200 pp. 11 illus. 1901. Chapman, 10s. 6d.

TREATISE ON AMMUNITION. 6th ed. 1897. Eyre & Spottiswoode, 6s.
(Ordnance. See below.)

Electricity.

MANUAL OF INSTRUCTION IN ARMY Field Telegraphs. 1897. Eyre & Spottiswoode, 3s.

NOTES ON ELECTRICITY FOR USE of Garrison Artillery, by J. R. J. Jocelyn. 1902. Eyre & Spottiswoode, 1s. 6d.

NOTES ON MILITARY TELEGRAPH Instruments, by Major H. F. Turner. Illus. 1885. Eyre & Spottiswoode, 1s. 6d.

(See also section 19.)

Fighting.

ART OF WAR, for Cadets of U.S. Military Academy, by J. B. Wheeler. 12mo. Van Nostrand, N.Y., \$1.75.

ATTACK ON FORTIFIED PLACES, including Siege Works, Mining and Demolitions, by J. Mercur (U.S.A.). Cr. 8vo. 198 pp. 12 Plates. 1894. Chapman, 8s. 6d.

ELEMENTS OF THE ART OF WAR, by J. Mercur (U.S.A.). 8vo. 3rd ed. Plates. Chapman, 17s.

HINTS FOR A BUSH CAMPAIGN, by Lieut.-Col. A. F. Montanoro. 18mo. 52 pp. 1901. Sands, 1s.

PRACTICAL BAYONET FIGHTING, by F. B. Foerster. 32mo. 68 pp. Illus. 1900. Gale & Polden, 6d. limp.

PREPARATORY BATTLE FORMATION, by Major-General H. M. Bengough. 2nd ed. 8 pp. 3 Plates. 1900. Gale & Polden, 1s. paper.

SMALL WARS: THEIR PRINCIPLES and Practice, by Captain C. E. Callwell. 1899. Eyre & Spottiswoode, 5s.

Fortification.

ELEMENTS OF FIELD FORTIFICATIONS, for Cadets of the U.S. Military Academy. 12mo. Van Nostrand, N.Y., \$1.75.

FIELD FORTIFICATION: EXAMINATION Manual, by H. Turner. Cr. 8vo. 242 pp. 1892. Sonnenschein, 6s.

FORTIFICATION AND MILITARY Engineering. Part I. Field Defences. 7th ed. 1902. 1s. 6d. Part II. Permanent Fortification, Siege Work, Coast Defence. 1894. 6s. Eyre & Spottiswoode.

MEMORANDA AND FORMULÆ ON Fortification and Topography, for Students, by Colonel H. M. S. Brunker. Cr. 8vo. 96 pp. Illus. 1898. Thacker, 3s.

NOTES ON FORTIFICATION, by Major B. R. Ward. Demy 8vo. 1902. J. Murray, 5s.

NOTES ON THE TEXT-BOOKS ON Field Fortifications, for Officers, by Colonel H. D. Hutchinson. Cr. 8vo. 5th ed. 250 pp. 1904. Gale & Polden, 4s.

Fortification, continued.

TEXT-BOOK ON FIELD FORTIFICATION, by G. J. Fiebeger (U.S.A.). Cr. 8vo. 177 pp. 29 Coloured Maps. 1901. Chapman, 8s. 6d.

Hygiene.

DRAINAGE MANUAL FOR USE OF Royal Engineer Officers. 1897. War Office, 3s.

GUIDE TO MEAT INSPECTION, for Regimental Officers, by Captain Stacpole. 1894. Eyre & Spottiswoode, 1s. 6d.

NOTES ON MILITARY HYGIENE, for Officers of the Line, by A. A. Woodhull (U.S.A.). 12mo. 181 pp. Illus. 1898. Chapman, 6s. 6d.

SANITATION OF BRITISH TROOPS in India, by Major E. C. Freeman. Cr. 8vo. 2nd ed. 127 pp. 1901. Rebman, 2s. 6d.

THEORY AND PRACTICE OF Military Hygiene, by E. L. Munson, A.M., M.D. (U.S.A.). Demy 8vo. 972 pp. 389 Illus. 8 Plates. 1901. Baillière, 32s.

(Also **Hygiene**. See section 34.)

Infantry.

CATECHISM ON FIELD TRAINING (Infantry), by Captain L. Davidson. Cr. 8vo. 291 pp. 28 Plates. 1900. Gale & Polden, 2s. 6d. limp.

DRUM AND FLUTE DUTY FOR THE Infantry. 1887. Eyre & Spottiswoode, 2s.

FIELD TRAINING OF A COMPANY of Infantry, by H. J. Craufurd. 12mo. 120 pp. 1902. E. Arnold, 2s. 6d.

INFANTRY FIRE TACTICS, by Major C. B. Mayne. Cr. 8vo. 2nd ed. 526 pp. Plates. Gale & Polden, 6s.

PRACTICAL HINTS FOR MOUNTED Infantry, by B. L. Anley. 32mo. 40 pp. Illus. 1901. Gale & Polden, 6d. paper.

SEPOY OFFICER'S MANUAL, for Infantry Officers, by Captain E. G. Barrow; 3rd ed. rewritten by Captain E. H. Bingley. 12mo. 3rd ed. 168 pp. with Tables. 1895. Thacker, 2rs. 8an.

TACTICAL QUESTIONS AND ANSWERS on the Infantry Drill Book, 1892, by

Captain H. R. Gall. Cr. 8vo. 3rd ed. Cr. 8vo. 82 pp. 1892. Kegan Paul, 1s. 6d. paper.

(Maps. See **Drawing** above.)

Military Law.

ABRIDGMENT OF MILITARY LAW, by Colonel W. Winthrop (U.S.A.). Cr. 8vo. 3rd ed. 460 pp. Chapman, 10s. 6d.

MANUAL OF MILITARY LAW. 1899. Eyre & Spottiswoode, 2s.

MILITARY LAW EXAMINER: Questions Set at Examinations from 1890-1900, with Answers, by Lieut.-Colonel S. C. Pratt, R.A. Cr. 8vo. 4th ed. 288 pp. 1900. Gale & Polden, 4s. 6d.

MILITARY LAW: ITS PROCEDURE and Practice, by S. C. Pratt. 12mo. 15th ed. 290 pp. 1902. Paul, 4s. 6d.

MILITARY LAW MADE EASY, for Promotion Examinations, by Major S. T. Banning, LL.B., B.A., LL.D. Gale & Polden, 4s. 6d.

TEXT-BOOK OF INDIAN MILITARY Law, by Captain E. H. Bernard. Cr. 8vo. 643 pp. 1896. Thacker, 12s.

Military Terms.

ALPHABETICAL FRENCH-ENGLISH List of Technical Military Terms, for Military Students, by M. Deshumbert. 8vo. 1903. Nutt, 1s. 6d.

VOCABULARY OF TECHNICAL Military Terms: English-German, German-English, for Students, by Professor J. A. Liebmann. Cr. 8vo. 215 pp. 1896. Gale & Polden, 5s.

(Officers. See **Administration** above.)

Ordnance, Gunnery.

ART OF REVOLVER SHOOTING, by W. Winans (U.S.A.). 4to. 252 pp. 100 Illus. Plates. 1901. Putnam, 21s.

BALLISTIC TABLES FOR DIRECT, Curved and High-angle Fire, by Major J. M. Ingalls (U.S.A.). Demy 8vo. 82 pp. 1894. Chapman, 6s. 6d.

BREECH-LOADER, AND HOW TO Use it, by W. W. Greener. 5th ed. 330 pp. Illus. 1899. Cassell, 3s. 6d.

GUNS AND GUN-MAKING MATERIAL, by G. Ede. Cr. 8vo. 74 pp. 1889. Spon, 6s.

HANDBOOK OF PROBLEMS IN Direct Fire, by J. M. Ingalls (U.S.A.). Demy 8vo. 308 pp. and 80 pp. of Tables. 1893. Chapman, 17s.

INTERNAL BALLISTICS, by J. A. Longridge. Demy 8vo. 240 pp. 1889. Spon, 18s.

MILITARY ARTIFICER'S HANDBOOK, Prepared in the Ordnance College. 8th ed. 1899. Eyre & Spottiswoode, 1s. 6d.

MINIATURE RIFLE SHOOTING, by L. R. Tippins. 12mo. Illus. 1903. Low, 2s.

NOTES ON THE RIFLE, by Major T. F. Fremantle. Demy 8vo. 178 pp. Illus. 1896. Vinton, 5s.

ORDNANCE AND GUNNERY, for Cadets of U.S. Military Academy, by Captain H. Metcalfe (U.S.A.). Cr. 8vo. 3rd ed. 350 Illus. Chapman, 21s.

PRACTICAL GUNNERY IN LECTURE-ROOM and Field, compiled by H. T. Russell. 8vo. Illus. 1903. Gale & Polden, 2s. 6d. limp.

TEXT-BOOK OF GUNNERY, Prepared in Ordnance College. 1902. Eyre & Spottiswoode, 10s. 6d.

TEXT-BOOK OF MILITARY SMALL Arms and Ammunition. 1895. Eyre & Spottiswoode, 2s. 6d.

TEXT-BOOK OF ORDNANCE AND Gunnery, for Use of Cadets of U.S. Military Academy, by Captain L. L. Bruff (U.S.A.). Royal 8vo. 677 pp. 401 Illus. 1896. Chapman, 25s.

THE GUN: AFIELD AND AFLOAT, by H. Sharp. Demy 8vo. 338 pp. 1903. Chapman, 12s. 6d.

THEORY AND PRACTICE OF TARGET Shooting by A. G. Foulkes, M.A. Demy 8vo. 228 pp. Plates and Illus. 1895. Horace Cox, 10s. 6d.

TREATISE ON THE APPLICATION OF Wire to Construction of Ordnance, by J. A. Longridge. Demy 8vo. 163 pp. 1884. Spon, 25s.

TREATISE ON ORDNANCE SERVICE. 5th ed. 1901. Eyre & Spottiswoode, 10s.

(Explosives. See above.)

Scouting.

AIDS TO SCOUTING, for Non-commissioned Officers and Men, by Major-General R. S. S. Baden-

Powell. 32mo. 138 pp. 1900. Gale & Polden, 1s. limp.

SCOUT'S ALPHABET OF NOTES AND Queries. 32mo. 1903. Gale & Polden, 1s.

Strategy, Tactics.

ELEMENTS OF MODERN TACTICS Practically Applied to English Formations, by Lieut.-Colonel W. J. Shaw, M.A. Post 8vo. 11th ed. 511 pp. 31 Illus. 1900. Paul, 9s.

LETTERS ON APPLIED TACTICS, trans. from Major Griepenkerl. Sq. demy 8vo. 2nd ed. 551 pp. 9 Maps. 1901. Sands & Co., 8s.

MINOR TACTICS, by General C. F. Clery. Cr. 8vo. 13th ed. 419 pp. 26 Maps. 1896. Kegan Paul, 9s.

MODERN EUROPEAN TACTICS: Employment of Infantry, by Captain Balck; trans. by L. R. M. Maxwell. Vol. I. Large cr. 8vo. 388 pp. 1899. Sands, 7s. 6d.

MODERN STRATEGY, with Plans, by Lt.-Col. W. H. James. Royal 8vo. 1902. With 6 Maps. Blackwood & Sons, 16s.

MOLTKE'S TACTICAL PROBLEMS, from 1858 to 1882; ed. by Prussian Grand General Staff; trans. by Kv. Donat. 8vo. 27 Plans. 9 Maps. 1903. H. Rees, 10s. 6d.

PRÉCIS OF MODERN TACTICS, compiled by Colonel Home and revised by Lieut.-Colonel S. C. Pratt. 2nd ed. 1896. Eyre & Spottiswoode, 3s.

PRELIMINARY TACTICS, for Junior Officers, by Major E. Baker, R.A. Cr. 8vo. 275 pp. 16 Illus. 1892. Kegan Paul, 6s.

PRIMER OF TACTICS, FORTIFICATION, Topography and Military Law, by Captain C. P. Lynden-Bell. Cr. 8vo. 102 pp. 15 Illus. 1899. Blackwood, 3s.

PROBLEMS IN APPLIED TACTICS, with Solutions, by J. Bürde. Demy 8vo. 3rd ed. 1899. Stanford, 5s.

SUMMARY OF TACTICS FOR Military Candidates, by S. Moores. 4th ed. 1903. W. H. Barrell, Portsmouth, 6s.

TACTICAL OPERATIONS FOR FIELD Officers, by Lieut.-Colonel W. Shaw. Cr. 8vo. 356 pp. 1902. Paul, 7s. 6d.

Strategy, Tactics, continued.

TACTICS : AS APPLIED TO SCHEMES, by Major J. Sherston. Demy 8vo. 204 pp. 1 Plate. 1902. Thacker, 10s. 6d.

TACTICS FOR BEGINNERS, by Captain C. M. de Gruyther. Cr. 8vo. 287 pp. 16 Plates. 1899. Gale & Polden, 6s.

TACTICS OF THE FIELD, by A. von Schell; trans. by Lieut.-Colonel A. E. Turner. 1900. Eyre & Spottiswoode, 1s.

TWENTY-FOUR HOURS OF MOLTKE'S Strategy, trans. from F. Hoenig. Royal 8vo. 12 Maps. Dulau, 5s.

Transport.

MECHANICAL TRACTION IN WAR for Road Transport, by Lieut.-Col. O. Layriz; trans. by R. B. Marston. Imp. 8vo. 126 pp. 1900. Sampson Low, 5s.

TRANSPORT OF HORSES BY SEA, by E. Martin. Thacker, 2s. 6d.

TRANSPORT, by W. H. Allen. Fcp. 8vo. 116 pp. 1899. Thacker, 2s. 6d.

SECTION 43.

MINING, QUARRYING.**General.**

BRITISH MINING : HISTORY, DEVELOPMENT and Prospects of Metalliferous Mining in the United Kingdom, by R. Hunt. Super royal 8vo. 2nd ed. 950 pp. 230 Illus. Lockwood, 42s.

BLASTING AND THE USE OF EXPLOSIVES, by O. Guttman. Large 8vo. 180 pp. 136 Illus. 1892. Griffin, 10s. 6d.

BLASTING OF ROCK IN MINES, Quarries, Tunnels, etc., by A. W. Daw and Z. W. Daw. Demy 8vo. 274 pp. 90 Illus. 1898. Spon, 15s.

DEEP-LEVEL MINES OF THE RAND and their Future Development, by G. A. Denny. Super royal 8vo. 182 pp. Illus. 1902. Lockwood, 25s.

ECONOMIC MINING, for Miner, Metallurgist and Merchant, by C. G. W. Lock. Demy 8vo. 668 pp. 174 Illus. 1895. Spon, 21s.

ELEMENTARY TREATISE ON THE Getting of Minerals, by A. Lupton. Large cr. 8vo. 3rd ed. 547 pp. 596 Illus. 23 Tables. 1899. Longmans, 9s.

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VENTILATION OF MINES, by J. T. Blard (U.S.A.). 12mo. Chapman, 10s. 6d.

(Explosives. See section 42.)

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A B C MARINER'S GUIDE, by R. T. Stevens. Large cr. 8vo. 2nd ed. 388 pp. Leadenhall Press, 7s. 6d.

KNOW YOUR OWN SHIP, by T. Walton. Cr. 8vo. 6th ed. 335 pp. 142 Illus. 1901. Griffin, 7s. 6d.

MANUAL OF ELEMENTARY SEAMANSHIP, by D. W. Barker. Cr. 8vo. 3rd ed. 208 pp. 1902. Griffin, 6s.

MODERN SEAMANSHIP, by A. M. Knight. Royal 8vo. 2nd ed. 428 pp. 136 Plates. 1902. Van Nostrand, N.Y., \$6.

NAUTICAL DIARY AND DAY'S WORK Book. 4to. Annual. Simpkin, 2s. 6d.

PRACTICAL MECHANICS, for Sailors, by T. Mackenzie. Cr. 8vo. 2nd ed. 175 pp. 54 Illus. 1901. Griffin, 3s. 6d.

SAILORS' POCKET BOOK, by Sir F. Bedford. Cr. 8vo. 8th ed. 686 pp. Illus. 1898. Simpkin, 8s. 6d.

SEAMANSHIP, by Capt. Alston, enlarged by Capt. T. P. Walker. Cr. 8vo. 4th ed. 606 pp. 1902. Simpkin, 10s. 6d.

SEAMANSHIP, by Sir G. S. Nares. Demy 8vo. 7th ed. 334 pp. 313 Illus. 10 Coloured Plates. 1897. Simpkin, 21s.

TEXT-BOOK OF SEAMANSHIP, for U.S. Naval Academy, by Commander S. B. Luce. 8vo. Van Nostrand, N.Y., \$10.

THE SEA: for Midshipmen, Apprentices, Engineers and Seamen in British Mercantile Service. Cr. 8vo. 88 pp. 1902. Spottiswoode & Co., 1s.

YOUNG SEAMAN'S MANUAL AND Rigger's Guide, by Capt. Burney, R.N., C.B. Cr. 8vo. 13th ed. 589 pp. 200 Illus. 16 Sheets of Signals. 1901. Kegan Paul, 7s. 6d.

Shipbuilding.

MODERN PRACTICE OF SHIPBUILDING in Iron and Steel, for Advanced Students, by S. J. P. Thearle. 2 vols. Vol. I. Large cr. 8vo. 241 pp. 31 illus. 1886. 5s. Vol. II. Plates. 10s. Collins.

PRACTICAL SHIPBUILDING, by A. C. Holmes. 2 vols. Royal 8vo. Vol. I. 627 pp. Vol. II. Plates. 1904. Longmans, 48s.

RESISTANCE AND POWER OF Steamships, by W. H. Atherton, M.Sc., and A. L. Mellanby, M.Sc. Cr. 8vo. 208 pp. 1903. Technical Pub. Co., Manchester, 5s.

SHIPBUILDING INDUSTRY IN Germany, by G. L. Felskowski. 4to. 200 pp. Plates. 1903. Lockwood, 10s. 6d.

STABILITY OF SHIPS, by Sir E. J. Reed. Royal 8vo. 370 pp. 224 illus. 1885. Griffin, 25s.

STEEL SHIPS: THEIR CONSTRUCTION and Maintenance, by T. Walton. Large 8vo. 290 pp. 145 illus. 5 Plates. 35 Diagrams. 1901. Griffin, 18s.

TABLES FOR CONSTRUCTING SHIP'S Lines, by A. Hogg. 8vo. 2nd ed. Spon, 7s.

(Marine Engineering. Section 21.)

(Naval Architecture. Section 46A.)

Signalling, Flags.

BRITISH AND COLONIAL FLAGS, also Flags of All Nations. 8vo. 1902. Simpkin, 1s.

BRITISH CODE LIST, FOR USE OF Ships at Sea and for Signal Stations. Royal 8vo. Annual. Spottiswoode & Co., 5s.

FLAGS OF THE WORLD: THEIR History, Blazonry and Associations, by F. E. Hulme. Cr. 8vo. 152 pp. 26 Plates. Warne, 6s.

HOUSE FLAGS AND FUNNELS OF English and Foreign Steamship Companies and Private Firms. Obl. 8vo. 3rd ed. 1902. Simpkin, 3s. 6d.

INTERNATIONAL CODE OF SIGNALS (Nautical). Demy 4to. 2nd ed. 570 pp. 1901. Spottiswoode & Co., 21s.

NEW INTERNATIONAL CODE OF

Signals, by T. L. Ainsley. 8vo. 1901. Simpkin, 1s.

OUR SHIPPING HEADLIGHTS, *Syren and Shipping*, 2s. 6d.

SHIPPING CODE: MERCHANT Shipping Act, 1894, with Notes, Forms, etc., by A. Pulling. Royal 8vo. 450 pp. 1894. Stevens & Sons, 7s. 6d.

SIGNALLING: HOW TO LEARN THE Use of New International Code as Required at Board of Trade Examinations. Cr. 8vo. 1901. Simpkin, 1s.

SIGNAL MANUAL FOR USE OF Mercantile Marine, by Captain Rugg. 16mo. 1903. Spottiswoode & Co., 1s. limp.

Storms.

LAW OF STORMS, by W. H. Rosser. Demy 8vo. 156 pp. 36 illus. 2 Plates. 1886. Norrie & Wilson, 5s.

MARINE METEOROLOGY, for Officers of the Merchant Navy, by W. Allingham. Cr. 8vo. 182 pp. 34 illus. 10 Plates and Maps. 1900. Griffin, 7s. 6d.

TRUE PRINCIPLE OF THE LAW OF Storms, by Captain J. Sedgwick. Royal 8vo. 8th ed. 4 Plates. 1878. J. D. Potter, 3s.

Stowage.

STOWAGE OF SHIPS AND THEIR Cargoes, with Information regarding Freights, Charter-parties, etc., by R. W. Stevens. Large cr. 8vo. 7th ed. 816 pp. Illus. 1894. Longmans, 21s.

(Submarines. See section 46A.)

Surveying, Nautical.

INTRODUCTION TO THE PRACTICAL and Theoretical Study of Nautical Surveying, by J. K. Laughton, M.A. Cr. 8vo. 168 pp. 35 Diagrams. 1882. Longmans, 6s.

PRACTICAL MARINE SURVEYING, by H. Phelps (U.S.A.). Demy 8vo. 213 pp. Illus. 1893. Chapman, 10s. 6d.

PRACTICAL NAUTICAL SURVEYING and the Handicraft of Navigation, by Commander T. A. Hull, R.N. Royal 8vo. 2nd ed. 66 pp. 8 Plates. 1898. Potter, 3s.

Yacht Construction.

CONSTRUCTION OF YACHTS, CRUISING, Yacht Racing Rules, Fitting Out, etc., by Sir E. Sullivan, etc. Cr. 8vo. 93 Illus. 21 Plates. Longmans, 10s. 6d.

SMALL YACHT CONSTRUCTION AND RIGGING, by L. Hope. Imp. 8vo. 1903. *Yachtsman*, 12s. 6d.

SMALL YACHTS: THEIR DESIGN AND CONSTRUCTION Exemplified by Ruling Types of Modern Practice, by C. P. Kunhardt. 4to. 470 pp. 87 Plates. Forest & Stream Pub. Co., N.Y., \$10.

SUPPLEMENT TO SMALL YACHTS: Examples of Yachts Built in America and England, 1890-6, by W. P. Stephens. 4to. 104 pp. 43 Plates. Forest & Stream Pub. Co., N.Y., \$4.

YACHT ARCHITECTURE, by D. Kemp. Super Royal 8vo. 3rd ed. Plates and Illus. Horace Cox, 42s.

Yachting.

HINTS TO BEGINNERS IN AMATEUR YACHT DESIGNING, by T. E. Biddle. Demy 8vo. 19 pp. 24 Illus. 2 Plates. 1890. Norrie & Wilson, 2s. 6d. limp.

HUNT'S UNIVERSAL YACHT LIST. Large cr. 8vo. 380 pp. Illus. Annual. Norrie & Wilson, 6s.

MANUAL OF YACHT AND BOAT SAILING, by D. Kemp. Super Royal 8vo. 10th ed. 667 pp. 353 Illus. 120 Plates. 1904. Horace Cox, 25s.

NAVIGATION FOR YACHTSMEN, by V. J. English. Demy 8vo. 342 pp. Illus. and Charts. 1896. H. Cox, 15s.

STEAM YACHTS AND LAUNCHES: Their Machinery and Management, by C. P. Kunhardt. 267 pp. Forest & Stream Pub. Co., N.Y., \$3.

YACHTING HINTS, TABLES AND MEMORANDA, by A. C. Franklin. 32mo. Spon, 1s.

YACHTSMAN'S HANDY BOOK FOR SEA USE, by W. H. Rosser. Demy 8vo. 5th ed. 140 pp. 2 Plates. 1896. Norrie & Wilson, 3s. 6d.

SECTION 46A.

NAVY.

Gunnery.

HANDBOOK ON NAVAL GUNNERY, by Lieut. C. S. Radford. 12mo. 5th ed. Van Nostrand, N.Y., \$2.

NAVAL GUNNERY, by Captain H. Garbett. Cr. 8vo. 125 Illus. 360 pp. 1897. Bell, 5s.

TEXTBOOK OF ORDNANCE AND GUNNERY, by W. F. Fullam and T. C. Hart. 8vo. 440 pp. 1903. U.S. Naval Institute, Annapolis, \$5.

Mechanical Drawing.

MECHANICAL DRAWING FOR NAVAL CADETS at U.S. Naval Academy, by F. W. Bartlett (U.S.A.). Demy 8vo. 188 pp. 132 Illus. 1902. Chapman, 12s. 6d.

(Nautical Books. See section 46.)

Naval Architecture.

ADVANCED PRACTICAL NAVAL ARCHITECTURE, for Students, by S. J. P. Thearle. 2 vols. Vol. I. Text. Pott 8vo. 380 pp. 39 Illus. 2s. 6d. Vol. II. Plates. 5s. Collins.

ADVANCED THEORETICAL NAVAL ARCHITECTURE, for Students, by S. J. P. Thearle. 2 vols. Vol. I. Text. 376 pp. 3s. 6d. Vol. II. Plates. 7s. Collins.

ELEMENTARY PRINCIPLES OF NAVAL ARCHITECTURE, chiefly as Applied in the Construction of Wooden Vessels, by James Peake. 2nd ed. 310 pp. Illus. 11 Plates. 1897. Lockwood, 3s. 6d.

MANUAL OF NAVAL ARCHITECTURE, for Officers, Yachtsmen, Shipowners and Shipbuilders, by W. H. White. 8vo. 5th ed. Illus. 1900. Van Nostrand, N.Y., \$9.

NAVAL ARCHITECT'S AND SHIP-BUILDER'S Pocket Book, by C. Mackrow. Fcp. 8vo. 8th ed. 750 pp. 300 Illus. 1902. Lockwood, 12s. 6d.

NAVAL ARCHITECTURE: MANUAL of Laying Off Iron, Steel and Composite Vessels, by T. H. Watson. Royal 8vo. 2nd ed. 171 pp. 169 Illus. 1898. Longmans, 15s.

Naval Construction, continued.

NAVAL ARCHITECTURE: WOOD and Iron Shipbuilding, for Elementary Students, by S. J. P. Thearle. 2 vols. Vol. I. Pott 8vo. 125 pp. 8 illus. 1873. 1s. Vol. II. 46 Plates. 2s. Collins.

TEXT-BOOK OF NAVAL ARCHITECTURE, for Officers of Royal Navy, by J. J. Welch. 4th ed. 1900. Eyre & Spottiswoode, 3s.

TEXT-BOOK OF THEORETICAL Naval Architecture, for Students, by E. L. Attwood. Cr. 8vo. 2nd ed. 130 illus. 347 pp. 1900. Longmans, 7s. 6d.

(Shipbuilding. Section 46.)

(Marine Engineering. See section 21.)

Naval Tactics, Administration.

ALL THE WORLD'S FIGHTING Ships, by F. T. Jane. 3,000 illus. 1903. Sampson Low, 15s.

ATTACK AND DEFENCE OF COAST Fortifications, by Captain E. Maguire. 8vo. Maps. Van Nostrand, N.Y., \$2.50.

DETAILS AND STATION BILL FOR A Battleship, by R. K. Arbuthnot. Pott 8vo. 252 pp. 1901. Simpkin, 2s. 6d.

ELEMENTARY NAVAL TACTICS, by Commander W. Bainbridge-Hoff (U.S.A.). Demy 8vo. 110 pp. 15 Plates. 1894. Chapman, 6s. 6d.

MECHANISM OF MEN OF WAR: Description of Machinery in Modern Fighting Ships, by R. C. Oldknow. Cr. 8vo. 286 pp. 63 illus. 1896. Bell, 5s.

NAVAL ADMINISTRATION, by Sir R. V. Hamilton. Cr. 8vo. 214 pp. illus. 1896. Bell, 5s.

NAVAL EFFICIENCY: LIST AND Particulars of Effective Ships of the World's Navies, by A. S. Hurd. 8vo. 332 pp. 1902. Chapman, 7s. 6d.

NAVAL MILITIAMAN'S GUIDE, by J. H. Barnard. Van Nostrand, N.Y., \$1.25.

SOME REMARKS ON MODERN Naval Tactics, by C. C. P. Fitzgerald. Cr. 4to. 48 pp. 1896. Engineering, 1s.

Navy Lists, Pocket-books.

BRASSEY'S NAVAL ANNUAL, ed. by Hon. T. A. Brassey, B.A. Royal 8vo. Griffin, Portsmouth, 15s.

CLOWES' NAVAL POCKET BOOK, ed. by L. G. C. Laughton. 18mo. 853 pp. illus. 1900. Thacker, 6s.

MERCANTILE NAVY LIST AND Maritime Directory. Royal 8vo. Annual. Spottiswoode & Co., 12s.

ROYAL NAVY LIST DIARY AND Naval Handbook. 8vo. Annual. Witherby, 3s.

Seamanship and Training.

HINTS TO YOUNG NAVIGATORS OF the Royal Navy and Mercantile Marine. 8vo. 1902. Simpkin, 1s. 6d.

MANUAL OF SEAMANSHIP, for Boys' Training Ships of Royal Navy. 1898. Eyre & Spottiswoode, 1s. 6d.

SERVICE CHEMISTRY: SHORT Manual of Chemistry and its Applications in Naval and Military Services, by V. B. Lewes. 8vo. 570 pp. 1904. Glaisher, 15s.

YOUNG SEAMAN'S MANUAL, for use of U.S. Training Ships and Marine Schools. 8vo. Van Nostrand, N.Y., \$3.

Submarines, Torpedoes.

SUBMARINE BOATS, by G. W. Hoogaard. Cr. 8vo. Plates. 1887. Spon, 5s.

SUBMARINE NAVIGATION, Past and Present, by A. H. Burgoyne. 2 vols. Royal 8vo. 732 pp. 268 illus. 1903. Richards, 31s. 6d.

SUBMARINE WARFARE, Past, Present and Future, by H. C. Fyfe. Chapter on Probable Future of Submarine Boat Construction, by Sir E. J. Reed. Demy 8vo. 360 pp. 50 illus. 1902. Richards, 7s. 6d.

TORPEDO IN PEACE AND WAR, by F. T. Jane. Obl. 4to. 2nd ed. 164 pp. illus. 1904. Thacker, 5s.

TORPEDOES AND TORPEDO VESSELS, with a Chapter on Submarines and Submersibles, by Lord Armstrong. Cr. 8vo. 2nd ed. 306 pp. 50 illus. 1901. Bell, 5s.

(Nursing. See section 32.)

SECTION 47.

OILS, FATS, RECIPES.

Analysis of Oils.

CHEMICAL TECHNOLOGY AND ANALYSIS of Oils, Fats, Waxes, and of the Commercial Products derived therefrom, by Dr. J. Lewkowitsch. 3rd ed. 2 vols. Royal 8vo. 1164 pp. 1904. Macmillan, 36s.

LABORATORY COMPANION TO FATS and Oils Industries, by Dr. J. Lewkowitsch, M.A. Demy 8vo. 146 pp. 1901. Macmillan, 6s.

OIL-CHEMISTS' HANDBOOK, by E. Hopkins, B.Sc. (U.S.A.). 8vo. 1900. Chapman, 12s. 6d.

SHORT HANDBOOK OF OIL ANALYSIS, by A. H. Gill (U.S.A.). Post 8vo. 3rd ed. 159 pp. Illus. 1903. Lippincott, 6s.

Cotton-Seed Oil.

COTTON AND COTTON OIL, by D. A. Tompkins. Large 8vo. 481 pp. 1901. D. A. Tompkins, Charlotte, N.C., U.S.A., \$7.50.

MANUFACTURE OF COTTON SEED Oil and Allied Products, including Cake, Soap-stock, etc., Machinery, complete list of Mills in the U.S. and abroad. Cr. 8vo. 88 pp. 1897. National Provisioner, N.Y., \$2.

Animal and Vegetable Oils.

ANIMAL AND VEGETABLE FIXED Oils, Fats, Butters and Waxes, by C. R. A. Wright, D.Sc., B.Sc., F.R.S. Demy 8vo. 2nd ed. 804 pp. 154 Illus. 2 Plates. 1903. Griffin, 25s.

ANIMAL FATS AND OILS: THEIR Practical Production, Purification and Uses, from German of L. E. Andés. Demy 8vo. 2nd ed. 250 pp. 62 Illus. 1903. Scott, Greenwood, 10s. 6d.

COMMERCIAL ORGANIC ANALYSIS, by A. H. Allen. Vol. II. Part I. Fixed Oils and Fats, Glycerine, Nitro-glycerine, Wool-fats, Dégras, etc. Royal 8vo. 3rd ed. 397 pp. Illus. 1899. Churchill, 14s.

PRACTICAL TREATISE ON ANIMAL and Vegetable Fats and Oils, by W. T. Brannt. 2 vols. Med. 8vo. Vol. I. Fixed Fats and Oils. 2nd

ed. 528 pp. 237 Illus. 1896. Vol. II. Volatile or Essential Oils. 2nd ed. 128 pp. 302 Illus. 1896. Baird, Philadelphia, \$10.

VEGETABLE FATS AND OILS: Their Preparation, Adulteration and Examination, from German of L. E. Andés. Demy 8vo. 2nd ed. 340 pp. 94 Illus. 1902. Scott, Greenwood, 10s. 6d.

Drying Oils.

DRYING OILS, BOILED OIL, AND Solid and Liquid Driers, by L. E. Andés. Demy 8vo. 342 pp. 42 Illus. 1901. Scott, Greenwood, 12s. 6d.

(Essential Oils. See Chemicals, section 13.)

(Liquid Fuel. See Petroleum.)

Lubricating Oils and Lubrication.

BEARINGS AND LUBRICATION, for Users of Machinery, by A. J. Wallis-Taylor. 208 pp. 75 Illus. Rider, 3s. 6d.

CAR LUBRICATION, by W. E. Hall (U.S.A.). 12mo. 2nd ed. Chapman, 4s. 6d.

CYLINDER OIL AND CYLINDER Lubrication, by M. Wells and W. S. Taggart. 1903. H. Wells Oil Co., Manchester, 3s. 6d.

LUBRICANTS, OILS AND GREASES, by I. I. Redwood. Demy 8vo. 64 pp. 3 Plates. 1898. Spon, 4s. 6d.

LUBRICATING OILS, FATS AND Greases: Their Origin, Preparation, Properties, Uses and Analyses, by G. H. Hurst. Demy 8vo. 2nd ed. 317 pp. 65 Illus. 1902. Scott, Greenwood, 10s. 6d.

LUBRICATION AND LUBRICANTS, Theory and Practice of Lubrication, by L. Archbutt and M. Deeley. Large 8vo. 451 pp. 123 Illus. 1900. Griffin, 21s.

MANUAL OF LUBRICATION, or How to Choose and how to Use Lubricants, by L. Simpson. Cr. 8vo. 100 pp. Andrews & Co., Manchester, 3s. 6d.

PRACTICAL COMPOUNDING OF OILS, Tallow and Grease for Lubrication, etc., by an Expert Oil Refiner. Demy 8vo. 100 pp. 1898. Scott, Greenwood, 7s. 6d.

Oil Trade Tables, Directory.

OIL MERCHANTS' MANUAL AND Oil Trade Ready-reckoner, compiled by F. F. Sherriff. Demy 8vo. 2nd ed. revised. 214 pp. 1904. Scott, Greenwood, 7s. 6d.

OIL MILLS DIRECTORY. Demy 8vo. 1903. Simpkin, 2s. 6d. boards.

Petroleum, Liquid Fuel.

DESTRUCTIVE DISTILLATION: Manualette of the Paraffin, Coal-Tar, Rosin-Oil, Petroleum and Kindred Industries, by E. J. Mills, D.Sc. 8vo. 4th ed. Illus. Gurney & Jackson, 5s.

HANDBOOK ON PETROLEUM FOR Inspectors under the Petroleum Acts, and for those engaged in Storage, Transport, etc., by J. H. Thompson and Boverton Redwood. Large cr. 8vo. 300 pp. 16 Illus. 2 Plates. 1901. Griffin, 8s. 6d.

LIGHTING (Vol. II. of Groves and Thorp's Chemical Technology). Fats and Oils, by W. Y. Dent; Stearine, by J. McArthur; Candle Manufacture, by L. and F. A. Field; Petroleum Industry and Lamps, by Boverton Redwood; Miners' Safety Lamps, by B. Redwood and D. A. Louis. Royal 8vo. 400 pp. 358 Illus. 1895. Churchill, 20s.

LIQUID FUEL AND ITS COMBUSTION, by W. H. Booth. 8vo. 400 pp. Dutton, N.Y., \$8.

LIQUID FUEL FOR MECHANICAL and Industrial Purposes, by E. A. B. Hodgetts. Demy 8vo. 134 pp. 106 Illus. 1890. Spon, 5s.

MARINE TRANSPORT OF PETROLEUM, by G. H. Little. Cr. 8vo. 251 pp. 65 Illus. 1890. Spon, 10s. 6d.

OIL FIELDS OF RUSSIA AND THE Russian Petroleum Industry, by A. B. Thompson. Super Royal 8vo. Illus. Plates. 1904. Lockwood, 63s.

PETROLEUM AND ITS PRODUCTS, by Boverton Redwood, assisted by G. T. Holloway. 2 vols. Large 8vo. Plates. Maps. Vol. I. 403 pp. 136 Illus. Vol. II. 327 Illus. 1896. Griffin, 45s.

PETROLEUM: ITS DEVELOPMENT and Uses, by R. N. Boyd. Cr. 8vo. 190 pp. 1895. Whittaker, 2s.

PETROLEUM: ITS HISTORY, OCCURRENCE, Production and Uses, trans. from German of A. Veith and H. Hoefler by W. T. Brannt. Royal 8vo. 743 pp. 284 Illus. 3 Plates. 1895. Baird, Philadelphia, \$7.50.

PETROLEUM LAMP: ITS CHOICE and Use, by Captain J. H. Thomson and B. Redwood. Cr. 8vo. 104 pp. 32 Illus. 1902. Griffin, 1s. limp.

PRACTICAL TREATISE ON MINERAL Oils and their By-products, by I. I. Redwood. Demy 8vo. 336 pp. 67 Illus. Plates. 1897. Spon, 15s.

TECHNOLOGY OF PETROLEUM: OIL Fields of the World: Their History, Geography and Geology, Production, Drilling and Transport; trans. from French of Neuberger and H. Noalhat by J. G. McIntosh. Super Royal 8vo. 550 pp. 153 Illus. 26 Plates. 1901. Scott, Greenwood, 21s.

Recipes for Oil and Colour Trades.

CYCLOPÆDIA OF PRACTICAL RE-CEIPTS in the Arts, Manufactures and Trades, including Pharmacy, Hygiene and Domestic Economy, by W. North, M.A., and others. 2 vols. 8vo. 7th ed. 1827 pp. 371 Illus. 1892. Churchill, 42s.

LEE'S PRICELESS RECIPES FOR Laboratory, Workshop, Home and Farm. 368 pp. Laird & Lee, Chicago, 50c.

OILMEN'S SUNDRIES AND HOW TO Make Them. Cr. 8vo. 128 pp. 1901. Maclaren, 5s.

RECIPES FOR THE COLOUR, PAINT, Varnish, Oil, Soap and Drysaltery Trades, compiled by an Analytical Chemist. Demy 8vo. 350 pp. 1902. Scott, Greenwood, 7s. 6d.

STANDARD CYCLOPÆDIA OF RE-CIPES, ed. by C. W. Dana. Henneberry Co., Chicago, \$1.50.

SECTION 48.**OPTICAL, MICROSCOPY,
INSTRUMENTS.****Barometers.**

ANEROID BAROMETER: ITS CON-STRUCTION and Use. 18mo. 106 pp. Illus. Spon, 2s.

BAROMETRICAL DETERMINATION of Heights, by F. J. B. Cordeiro (U.S.A.). Cr. 8vo. Spon, 4s. 6d.

WEATHER GLASS: DESCRIPTIONS of the Barometer, by Rev. R. Tyas, LL.D. 12mo. 2nd ed. 44 pp. Illus. Bemrose, 6d.

(Lenses. See section 51.)

Magic Lanterns, Slides.

BOOK OF THE LANTERN, with Directions for Making and Colouring Lantern Pictures, by T. C. Hepworth. 6th ed. 286 pp. 87 Illus. 1899. Hazell, 3s. 6d.

LANTERN SLIDE MAKING, by F. C. Lambert. Cr. 8vo. 144 pp. 27 Illus. 1901. Hazell, Watson, 1s.

LANTERN SLIDE MANUAL: Lantern Slide Making by All Processes, by J. A. Hodges. Cr. 8vo. 202 pp. Plates. 1892. Hazell, 2s.

MAGIC LANTERN AND ITS MANAGEMENT, by J. C. Hepworth. Cr. 8vo. 75 pp. 10 Illus. 1885. Chatto, 1s. 6d.

OPTICAL LANTERNS AND ACCESSORIES, ed. by P. N. Hasluck. Post 8vo. 160 pp. 147 Illus. 1901. Cassell, 1s.

OPTICAL PROJECTION: TREATISE on the Use of the Lantern in Demonstration, by L. Wright. Cr. 8vo. 438 pp. 237 Illus. 1901. Longmans, 6s.

(Photography. See section 51.)

Microscopy.

ELEMENTARY TEXT-BOOK OF THE Microscope, by Dr. Griffith. Post 8vo. 192 pp. 451 Illus. 12 Coloured Plates. 1864. Gurney & Jackson, 7s. 6d.

HOW TO WORK WITH THE MICROSCOPE, by Dr. L. S. Beale. 8vo. 5th ed. 100 Plates. Harrison & Sons, 21s.

METHODS AND FORMULÆ USED in the Preparation of Animal and Vegetable Tissues for Microscopical Examination, by P. W. Squire. Cr. 8vo. 93 pp. 1892. Churchill, 3s. 6d.

METHODS OF MICROSCOPICAL RESEARCH, by A. C. Cole. Demy 8vo.

2nd ed. 207 pp. 10 Illus. 1895. Baillière, 6s.

MICROSCOPE AND ITS REVELATIONS, by W. B. Carpenter; revised by W. H. Dallinger. Demy 8vo. 8th ed. 1202 pp. 900 Illus. 22 Plates. 1901. Churchill, 28s.

MODERN MICROSCOPY FOR BEGINNERS, by M. I. Cross and M. J. Cole. Demy 8vo. 2nd ed. 182 pp. 40 Illus. 1895. Baillière, 3s. 6d.

ONE THOUSAND OBJECTS OF THE Microscope, by M. C. Cooke. Cr. 8vo. 180 pp. 12 Plates. 1900. Warne, 2s. 6d.

PRACTICAL METHODS IN MICROSCOPY, by C. H. Clark. Cr. 8vo. 2nd ed. 261 pp. 52 Illus. 17 Plates. 1896. Isbister, 6s.

THE MICROSCOPE: INTRODUCTION to Microscopical Methods, by S. H. Gage (U.S.A.). Demy 8vo. 8th ed. 282 pp. 231 Illus. 1901. Gutenberg Press, 7s. 6d.

Optical.

DISEASES OF THE EYE AND REFRACTION, by G. M. Gould, M.D. and W. L. Pyle, M.D. Cr. 8vo. 295 pp. 109 Illus. 1900. Gutenberg Press, 5s.

ELEMENTARY OPHTHALMIC OPTICS, by F. Fergus. Cr. 8vo. 116 pp. 1903. Blackie, 3s. 6d.

ERRORS OF ACCOMMODATION AND Refraction of the Eye and their Treatment, for Students, by E. Clarke. Cr. 8vo. 236 pp. 1903. Baillière, 5s.

EYE AND ITS CARE, for School Teachers, by Dr. F. Allport, Post 8vo. 48 Illus. Lippincott, 5s.

EYESIGHT AND SCHOOL LIFE, by S. Snell. Demy 8vo. J. Wright & Co., Bristol, 2s. 6d.

GLASS FOR OPTICAL PURPOSES: Four Lectures, by R. T. Glazebrook, M.A., D.Sc. Demy 8vo. 1902. Society of Arts, 1s. paper.

KEY TO SIGHT TESTING, by H. L. Taylor and W. S. Baxter. Demy 8vo. 355 pp. Illus. 1902. J. & H. Taylor, 54 Tenby, Birmingham, 6s.

LENS WORK FOR AMATEURS, by H. Orford. Small cr. 8vo. 240 pp. Illus. 1894. Whittaker, 3s.

Optical, continued.

MODERN OPTICAL INSTRUMENTS, by H. Orford. Sq. cr. 8vo. 100 pp. 88 illus. 1896. Whittaker, 2s. 6d.

OPTICAL MANUAL: HANDBOOK for Guidance of Surgeons in Testing Recruits, etc., by Surgeon-General T. Longmore, C.B. 3rd ed. 1885. Eyre & Spottiswoode, 1s. 6d.

OPTICAL TABLES AND DATA FOR Opticians, by S. P. Thompson, D.Sc. Obl. 8vo. 1900. Spon, 6s.

OPTICIAN'S HANDBOOK, by an Ophthalmic Surgeon. 12mo. 132 pp. 55 illus. Gutenberg Press, 3s. 6d.

REFRACTION OF THE EYE, for Students, by G. Hartridge. Cr. 8vo. 12th ed. 288 pp. 105 illus. 1903. Churchill, 6s.

REFRACTION: SIMPLE AND CONCISE Treatise on Practical Sight Testing, by G. E. Druiff. Royal 8vo. 300 pp. 135 illus. 1903. Anglo-American Optical Co., 10s. 6d.

SPECTACLES AND EYE-GLASSES: Their Forms, Mounting and Proper Adjustment, by R. J. Phillips, M.D. Cr. 8vo. 2nd ed. 105 pp. 49 illus. 1900. Gutenberg Press, 4s.

STEREOSCOPIC PHENOMENA OF Light and Sight, by T. Brown. Demy 8vo. 100 pp. illus. 16 Plates. 1903. Gutenberg Press, 3s. 6d.

(Photo-micrography, Photographic Optics. See section 51.)

SECTION 49.

PAINTS, COLOURS, VARNISHES.**Paints, Colours, Pigments.**

ANALYSIS OF WHITE PAINTS, by G. H. Ellis, B.Sc. *Drugs, Oils and Paints*, Philadelphia, \$1.50.

CHEMISTRY OF PAINTS AND PAINTING, by A. H. Church, M.A., D.Sc. Large cr. 8vo. 3rd ed. 355 pp. 1901. Seeley, 6s.

CHEMISTRY OF PIGMENTS, by E. J. Parry, B.Sc., and J. H. Coste. Demy 8vo. 285 pp. 5 illus. 1902. Scott, Greenwood, 10s. 6d.

DICTIONARY OF CHEMICALS AND

Raw Products used in the Manufacture of Paints, Colours and Allied Preparations, by G. H. Hurst. Demy 8vo. 380 pp. 1901. Scott, Greenwood, 7s. 6d.

FACTS ABOUT PROCESSES, PIGMENTS and Vehicles, by A. P. Laurie. Cr. 8vo. 131 pp. illus. 1895. Macmillan, 3s.

IRON - CORROSION, ANTI - FOULING and Anti-corrosive Paints, from German. Demy 8vo. 275 pp. 62 illus. 1903. Scott, Greenwood, 10s. 6d.

MANUFACTURE OF LAKE PIGMENTS from Artificial Colours, by F. H. Jennison. Demy 8vo. 136 pp. 16 Coloured Plates, showing specimens of 89 colours specially prepared from recipes given in the book. 1900. Scott, Greenwood, 7s. 6d.

MANUFACTURE OF MINERAL AND Lake Pigments, by Dr. J. Bersch, trans. from German by A. C. Wright, M.A., B.Sc. Demy 8vo. 476 pp. 43 illus. 1901. Scott, Greenwood, 12s. 6d.

MANUFACTURE OF PAINT, by J. C. Smith, B.Sc. Demy 8vo. 200 pp. 60 illus. 1 Plate. 1901. Scott, Greenwood, 7s. 6d.

OIL COLOURS AND PRINTING INKS, trans. from German of L. E. Andés. Cr. 8vo. 215 pp. 56 illus. 1903. Scott, Greenwood, 5s.

PAINT AND COLOUR MIXING, by A. S. Jennings. Demy 8vo. 2nd ed. 152 pp. 72 samples of paint of various colours. 1904. Spon, 5s.

PAINTERS' COLOURS, OILS AND Varnishes, by G. H. Hurst. 3rd ed. illus. 1902. Griffin, 12s. 6d.

PAINTERS' LABORATORY GUIDE, Handbook on Paints, Colours and Varnishes, by G. H. Hurst. Cr. 8vo. 258 pp. 22 illus. 1902. Griffin, 5s.

PIGMENTS, PAINT AND PAINTING, by G. Terry. Cr. 8vo. 392 pp. 49 illus. 1893. Spon, 7s. 6d.

PRACTICAL TREATISE ON THE Manufacture of Colours for Painting, by Riffault, Vergnaud and Tossaint, trans. by A. A. Fesquet. Med. 8vo. 659 pp. 80 illus. 1874. Baird, Philadelphia, \$5.

SIMPLE METHODS FOR TESTING Painters' Materials, by A. C. Wright, M.A., B.Sc. Cr. 8vo. 160 pp. 1903. Scott, Greenwood, 5s.

STUDENT'S MANUAL OF PAINTS, Colours, Oils and Varnishes, by J. Furnell. Cr. 8vo. 96 pp. 12 illus. 1903. Scott, Greenwood, 2s. 6d.

TESTING AND VALUATION OF RAW Materials used in Paint and Colour Manufacture, by M. W. Jones. Cr. 8vo. 88 pp. 1900. Scott, Greenwood, 5s.

THOMAS' AMERICAN PAINT Trades Reference Book, 20,000 names of American firms and rating. Annual. Thomas Pub. Co., N.Y., \$7.50.

(Painting and Decorating. See section 33.)

Varnishes, Resins, Polishes.

ANALYSIS OF RESINS AND BALSAMS, trans. from German of Dr. K. Dieterich. Demy 8vo. 340 pp. 1901. Scott, Greenwood, 7s. 6d.

MANUFACTURE OF VARNISHES, Oil Refining and Boiling, and Kindred Industries, trans. from French of A. Livache and adapted to English practice by J. G. McIntosh. Demy 8vo. 400 pp. 27 illus. 1899. Scott, Greenwood, 12s. 6d.

OILS AND VARNISHES, by J. Cameron. Cr. 8vo. 3rd ed. 376 pp. illus. 1896. Churchill, 7s. 6d.

PRACTICAL POLISH AND VARNISH Maker, by H. C. Standage. Cr. 8vo. 260 pp. 1892. Spon, 6s.

VARNISHES, LACQUERS, PRINTING Inks and Sealing-waxes, by W. T. Brannet. Cr. 8vo. 338 pp. 39 illus. Baird, Philadelphia, \$3.

Emery Grinding.

EMERY GRINDING MACHINERY, by R. B. Hodgson. Cr. 8vo. 180 pp. 143 illus. 1903. Griffin, 5s.

SECTION 50.

PATENTS, TRADE MARKS.

ENGLISH PATENT ACTS, arranged as a Code, containing the text of the Acts of 1883-1902. Cr. 8vo. 60 pp. 1903. Simpkin, 2s. 6d.

GLEANINGS FROM PATENT LAW OF all Countries, by W. L. Wise, J.P. Pt. I. Argentine Republic and Germany. Post 8vo. 2nd ed. 208 pp. 1896. Cassell, 2s.

GUIDE TO SEARCH DEPARTMENT of Patent Office Library, with Dictionary of Trade or Fancy Words. 99 pp. 1901. Patent Office, 6d.

HANDBOOK OF PATENT LAW OF all Countries, by W. P. Thompson. 12mo. 9th ed. 1892. Clowes, 2s. 6d.

HANDY GUIDE TO PATENT LAW and Practice, by G. F. Emery, LL.M. 2nd ed. Demy 8vo. 390 pp. 1904. E. Wilson, 15s.

INFRINGEMENT OF PATENTS FOR Inventions, not Designs, by T. B. Hall (U.S.A.). 8vo. R. Clarke Co., Cincinnati, \$5.

INTERNATIONAL DIRECTORY OF Patent Agents. 1901. W. Reeves, 6s. 6d.

INVENTORS' MANUAL: HOW TO Work a Patent to Make it Pay. 116 pp. 1901. N. W. Henley & Co., N.Y., \$1.

LAW AND PRACTICE CONNECTED with Patents for Inventions, with Reprints of Patents Acts, by J. and J. H. Johnson. Gl. 8vo. 164 pp. 1900. Longmans, 2s. 6d.

LAW AND PRACTICE RELATING TO Patents, Trade Marks and Designs, by D. Fulton. Demy 8vo. 830 pp. 1902. Jordan, 15s.

LAW AND PRACTICE UNDER PA- TENTS, Designs and Trade Marks Acts, 1883-8, by W. N. Lawson, M.A. Demy 8vo. 3rd ed. 796 pp. 1898. Butterworth, 27s. 6d.

LAW PRACTICE AND PROCEDURE Relating to Patents, Designs and Trade Marks, by S. Brice. 1885. Clowes, 18s.

LAW RELATING TO TRADE MARKS, Trade Name, Merchandise Marks, by D. M. Kirby. Royal 8vo. 2nd ed. 1901. Sweet & Maxwell, 35s.

LAW RELATING TO TRADE MARKS, by R. S. Mushet. Cr. 8vo. 240 pp. 1885. Smith, Elder, 5s.

MANUAL OF JAPANESE LAWS AND Rules Relating to Patents, Trade Marks, etc., by W. S. Hall. 8vo. 1901. Low, 2s.

Patents, Trade Marks, continued.

NOTES ON PATENTS AND TRADE MARKS, by E. E. Evans Jackson. 1901. Mardon, Son & Hall, 1s.

PATENT, DESIGN AND TRADE MARKS ACT, 1883, by C. Higgins. Demy 8vo. 1884. Clowes, 12s. 6d.

PATENTEE'S MANUAL, by J. and J. H. Johnson. Demy 8vo. 6th ed. 1890. Clowes, 10s. 6d.

PROPERTY IN TRADE MARKS: Manual on Trade Marks and their Protection. 2nd ed. 1904. Brewer & Son, 1s.

SUPPLEMENT TO PATENT LAWS of the World, by A. and E. Carmel; edited by a Committee of Institute of Patent Agents. 8vo. 1889. Clowes, 10s.

SECTION 51.

PHOTOGRAPHY.**General.**

AMATEUR PHOTOGRAPHER, by E. Wallace. 12mo. 5th ed. H. T. Coates & Co., Philadelphia, \$1.

AMATEUR PHOTOGRAPHY, by W. J. L. Adams (U.S.A.). Cr. 8vo. Gay & Bird, 4s.

AMERICAN ANNUAL OF PHOTOGRAPHY, ed. by W. E. Woodbury. Med. 8vo. 418 pp. G. Houghton & Son, 3s.

ARCHITECTURAL PHOTOGRAPHY for Amateurs, by G. A. T. Middleton. Cr. 8vo. 80 pp. Illus. 1898. Hazell, 1s.

BARNET BOOK OF PHOTOGRAPHY, by Practical Writers. Large cr. 8vo. 5th ed. 284 pp. Illus. 1901. Elliott & Sons, Barnett, 1s.

DEVELOPING AND DEVELOPERS, by G. C. Brown. Cr. 8vo. 132 pp. 1900. Hazell, 1s.

DICTIONARY OF PHOTOGRAPHY for Amateur and Professional, by E. J. Wall; revised by T. Bolas. Cr. 8vo. 8th ed. 660 pp. 1902. Hazell, 7s. 6d.

ELEMENTARY PHOTOGRAPHY, by J. A. Hodges. Cr. 8vo. 4th ed. 152 pp. 30 Illus. 1900. Hazell, 1s.

ENLARGEMENTS: THEIR PRODUCTION and Finish, by G. R. Smith. Cr. 8vo. 1903. Hazell, 1s.

EXPERIMENTAL PHOTOGRAPHY, by C. J. Leaper. Cr. 8vo. 3rd ed. 102 pp. Illus. 1898. Hazell, 1s.

EXPOSURE TABLES FOR PHOTOGRAPHERS in India and the East, by G. Ewing. 12mo. Thacker, 1r.

FLASH-LIGHT PHOTOGRAPHY, by R. Slingsby. 4to. 4 Illus. 1902. Marion & Co., 4s.

HANDBOOK OF PHOTOGRAPHIC TERMS, by W. Heighway. Cr. 8vo. Carter & Co., 2s. 6d.

HANDBOOK OF PHOTOGRAPHY FOR Amateurs in India, by G. Ewing. Cr. 8vo. 623 pp. Illus. 1895. Thacker, 7rs.

HOW TO TAKE AND FAKE PHOTOGRAPHS, by C. Holland. Cr. 8vo. 1901. Pearson, 1s.

INSTRUCTION IN PHOTOGRAPHY, by Sir W. de W. Abney. 8vo. 10th ed. 502 pp. 176 Illus. 1900. Low, 6s.

MODERN PHOTOGRAPHY, by W. K. Burton. Cr. 8vo. 12th ed. Illus. Carter & Co., 1s.

OZOTYPE: NEW PROCESS FOR Pictorial Photography, by T. Manly. Cr. 8vo. 80 pp. 1901. Hazell, 1s.

PHOTOGRAMS FOR THE YEAR: Best Photographic Work Reproduced and Described. Royal 8vo. Annual. Dawbarn & Ward, 3s.

PHOTOGRAPHIC ENLARGEMENTS: How to Make Them. 7th ed. G. Wheeler & Co., Manchester, 1s.

PHOTOGRAPHER'S NOTEBOOK, by Sir D. L. Salomons, M.A. 16mo. New ed. 43 pp. Marion & Co., 1s.

PHOTOGRAPHIC MANIPULATION, by L. Price. Cr. 8vo. 2nd ed. 304 pp. Illus. 1868. Churchill, 6s. 6d.

PHOTOGRAPHY, ARTISTIC AND Scientific, by A. B. Chatwood and R. Johnson. Demy 8vo. D. Douglas, Edinburgh, 10s. 6d.

PHOTOGRAPHY AS A FINE ART, by C. H. Caffin. Imp. 8vo. 300 pp. 100 Illus. 1901. Doubleday, Page & Co., N.Y., \$3.

PHOTOGRAPHY FOR NATURALISTS, by D. English. Royal 8vo. 132 pp. 1902. Iliffe, 5s.

PHOTOGRAPHY: ITS HISTORY, Processes, Apparatus and Materials, by A. Brothers. Demy 8vo. 2nd ed. 367 pp. Plates and 117 Illus. 1899. Griffin, 21s.

PICTURE-MAKING BY PHOTOGRAPHY, by H. P. Robinson. Cr. 8vo. 5th ed. 140 pp. 1902. Hazell, 2s. 6d.

PORTRAITURE FOR AMATEURS without a Studio, by F. C. Lambert. Cr. 8vo. 126 Illus. Part I. Technical. Part II. Pictorial. 1903. Hazell, 1s. each.

PRACTICAL A B C OF PHOTOGRAPHY, by E. J. Wall. 16mo. 264 pp. 1901. Drane, 1s.

PRACTICAL GUIDE TO PHOTOGRAPHY. Cr. 8vo. 6th ed. 288 pp. Illus. 1898. Marion & Co., 2s. 6d.

PRACTICAL ORTHOCHROMATIC PHOTOGRAPHY, by A. Payne. Cr. 8vo. 178 pp. 1903. Iliffe, 1s.

PRACTICAL PICTORIAL PHOTOGRAPHY, by A. H. Hinton. Cr. 8vo. 178 pp. Illus. 1900. Hazell, 2s. 6d.

PRACTICAL POCKET BOOK OF PHOTOGRAPHY, by E. Vogel. 12mo. 230 pp. 1902. Sonnenschein, 2s. 6d.

SELECTION OF SUBJECT IN PICTORIAL PHOTOGRAPHY, by W. E. Tindall. Med. 8vo. 84 pp. 1902. Iliffe, 3s. 6d.

SHORT CHAPTERS ON ART PHOTOGRAPHY, by H. P. Robinson. 3rd ed. 54 pp. Illus. 1899. Hazell, 1s.

STUDIES IN PHOTOGRAPHY, by J. Andrews. Cr. 8vo. 202 pp. 6 Collotypes. 1892. Hazell, 3s.

SUNLIGHT AND SHADOW: BOOKS for Photographers, ed. by W. J. L. Adams. Large 8vo. Baker & Taylor Co., N.Y., \$2.50.

TREATISE ON PHOTOGRAPHY, by Sir W. de W. Abney, K.C.B., D.C.L. Globe 8vo. 10th ed. 425 pp. 134 Illus. 1901. Longmans, 5s.

Cameras.

CAMERAS, LENSES AND SHUTTERS. Cr. 8vo. 2nd ed. 118 pp. 1893. Hazell, 1s.

MAKING AND ADAPTING PHOTOGRAPHIC APPARATUS, by F. W. Cooper, etc. 8vo. 180 Diagrams. 1902. Dawbarn, 1s.

PHOTOGRAPHIC APPARATUS: MAKING and Adapting, by F. W. Cooper and D. W. Gawn. 180 Illus. 1902. Dawbarn, 1s.

PHOTOGRAPHIC CAMERAS AND ACCESSORIES: How to Make Cameras, Dark Slides, Shutters and Stands. Post 8vo. 160 pp. 240 Illus. 1901. Cassell, 1s.

USE OF THE HAND CAMERA, by C. Holland. Cr. 8vo. 198 pp. Illus. Constable, 2s. 6d.

Chemistry of Photography.

CHEMISTRY OF PHOTOGRAPHY, 9 Lectures, by R. Meldola. Cr. 8vo. 382 pp. Illus. 1891. Macmillan, 6s.

ELEMENTARY CHEMISTRY OF PHOTOGRAPHIC Chemicals, by C. S. Ellis. Cr. 8vo. 1903. Hazell, 1s. paper.

MANUAL OF PHOTOGRAPHIC CHEMISTRY, Theoretical and Practical, by T. F. Hardwick and J. T. Taylor. Fcp. 8vo. 9th ed. 464 pp. 57 Illus. 1883. Churchill, 7s. 6d.

PHOTOGRAPHIC CHEMISTRY, 3 Lectures, by Prof. R. Meldola, F.R.S. Demy 8vo. 1891. Society of Arts, 1s. paper.

Colour Photography.

COLOUR PHOTOGRAPHY, by A. E. Smith. Cr. 8vo. 72 pp. Illus. 1900. Hazell, 1s.

HANDBOOK OF PHOTOGRAPHY IN COLOURS. Sec. I. Heliochromy, by Thos. Bolas. Sec. II. Tri-colour Photography, by A. A. K. Tallent. Sec. III. Interference Heliochromy, by E. Senior. Cr. 8vo. 343 pp. Illus. 1900. Marion & Co., 5s.

THREE COLOUR PHOTOGRAPHY, by A. von Hubl. Trans. from German. 8vo. Illus. 1904. Penrose, 7s. 6d.

Lenses.

FIRST BOOK OF THE LENS, for Photographers, by C. W. Piper. Cr. 8vo. 170 pp. Illus. 1901. Hazell, Watson, 2s. 6d.

LENSES AND SYSTEMS OF LENSES Heated Mathematically, by C. Pendlebury. Demy 8vo. 96 pp. 1884. Bell, 5s.

TELEPHOTOGRAPHY: ELEMENTARY Treatise on Construction and Application of the Telephotographic Lens, by T. R. Dallmeyer. 4to. 145 pp. 66 Illus. 26 Plates. 1899. Heinemann, 15s.

Lenses, continued.

THE LENS: PRACTICAL GUIDE TO Choice, Use, Testing of Photographic Objectives, by T. Bolas and G. E. Brown. Demy 8vo. 176 pp. 1902. Dawbarn, 2s. 6d.

Painting Photographs.

ART OF PHOTOGRAPHIC PAINTING, by A. H. Bool. Cr. 8vo. Carter & Co., 1s.

HOW TO PAINT PHOTOGRAPHS IN Oil and Water-colour, by A. Baker. 12mo. 1901. Windsor & Newton, 1s.

Photo-micrography.

ELEMENTARY PHOTO-MICROGRAPHY, by W. Bagshaw. Cr. 8vo. 70 pp. Illus. 1902. Hiffe, 1s.

FIRST STEPS IN MICRO-PHOTOGRAPHY, by F. M. Duncan. Cr. 8vo. 104 pp. 1902. Hazell, 1s.

GUIDE TO THE SCIENCE OF PHOTO-MICROGRAPHY, by E. C. Bonsfield, L.R.C.P. 8vo. 174 pp. 34 Illus. 1892. Churchill, 6s.

PHOTO-MICROGRAPHY, by I. H. Jennings, and Preparing Bacteria, by Dr. R. L. Maddox. Cr. 8vo. Carter & Co., 3s.

PHOTO-MICROGRAPHY: MOUNTING and Preparing Microscopic Objects, by A. C. Malley, B.A., M.B. Cr. 8vo. 2nd ed. 166 pp. 28 Illus. 3 Plates. 1885. Lewis, 7s. 6d.

Photographic Optics.

CHEMISTRY OF LIGHT AND PHOTOGRAPHY, by H. Vogel. Cr. 8vo. 6th ed. 302 pp. 100 Illus. 1892. Kegan Paul, 5s.

CONTRIBUTIONS TO PHOTOGRAPHIC Optics, by O. Lummer and S. P. Thompson. Med. 8vo. 135 pp. 1901. Macmillan, 6s.

OPTICS FOR PHOTOGRAPHERS, by W. K. Burton. Cr. 8vo. Illus. Carter & Co., 1s.

OPTICS OF PHOTOGRAPHY AND Photographic Lenses, by J. T. Taylor. Sq. cr. 8vo. 250 pp. 68 Illus. 1898. Whittaker, 3s. 6d.

TREATISE ON PHOTOGRAPHIC OPTICS, by R. S. Cole. Cr. 8vo. 338 pp. 1899. Van Nostrand, N.Y., \$2.50.

Printing.

ART AND PRACTICE OF SILVER Printing, by Sir W. de W. Abney and H. P. Robinson. Post 8vo. 136 pp. 34 Illus. 1888. Low, 2s. 6d. paper.

BROMIDE PRINTING, by F. C. Lambert. Cr. 8vo. 1903. Hazell, 1s.

CARBON PRINTING, by E. J. Wall. 5th ed. Plates. 1899. Hazell, 1s.

ELEMENTARY LESSONS IN SILVER Printing, by W. M. Ashman. Cr. 8vo. Carter & Co., 1s. 6d.

FINISHING THE NEGATIVE, by G. E. Brown. Demy 8vo. 160 pp. 1902. Dawbarn, 2s. 6d.

GELATINO-CHLORIDE OF SILVER Printing Out Process, for Photographers, by W. E. Woodbury. Cr. 8vo. 121 pp. 1891. Hazell, 2s.

PHOTO-AQUATINT: THE GUMBICHROMATE Process, by A. M. and R. Demarcky. 56 pp. 3rd ed. Illus. 1901. Hazell, 1s.

PHOTO-LITHOGRAPHY, for Photographers, trans. from G. Fritz. Demy 8vo. 90 pp. 8 Illus. Plates. 1895. Hazell, 3s. 6d.

PLATINUM TONING, by L. Clark. Cr. 8vo. 5th ed. Illus. 1897. Hazell, 1s.

PLATINOTYPE: ITS PREPARATION and Manipulation, by Sir W. de W. Abney and L. Clark. Post 8vo. 174 pp. 7 Illus. 1895. Low, 2s. 6d. paper.

PLATINOTYPE PRINTING, by A. H. Hinton. Cr. 8vo. 2nd ed. 92 pp. Illus. 1901. Hazell, 1s.

P.O.P.: SIMPLE BOOK OF INSTRUCTION in Use of Silver Printing Out Paper, by A. H. Hinton. Cr. 8vo. 1902. Hazell, 1s.

PRACTICAL GUIDE TO PHOTO-PRINTING and Photo Mechanical Processes, by W. K. Burton. Cr. 8vo. 2nd ed. 415 pp. Illus. 1892. Marion, 4s.

Retouching.

ART OF RETOUCHING, for Amateur Photographers, by J. Hubert. Cr. 8vo. 12th ed. 84 pp. 10 Illus. 1903. Hazell, 1s.

ART OF RETOUCHING, FINISHING and Colouring Photographs, by R.

Johnson. Demy 8vo. 5th ed. 102 pp. Plates. 1901. Marion, 2s.

ENAMELLING AND RETOUCHING, for Photographers, by P. Piquepe. Cr. 8vo. Carter, 2s. 6d.

PRACTICAL RETOUCHING, by D. Butt. Cr. 8vo. 78 pp. 1902. Iliffe, 1s.

Studios.

PHOTOGRAPHIC STUDIO: ITS CONSTRUCTION, Design and Selection of a Locality, by T. Bolas. Cr. 8vo. 90 pp. 28 Illus. 1895. Marion, 2s.

SECTION 52.

PHYSICS.

ADVANCED HEAT, by R. W. Stewart. Cr. 8vo. 3rd ed. 350 pp. 90 Diagrams. 1903. Clive, 3s. 6d.

ELEMENTARY TREATISE ON Physics, Experimental and Applied, by Ganot; trans. by C. Atkinson. Demy 8vo. 16th ed. 1,150 pp. 1,048 Illus. 1902. Longmans, 15s.

EXPERIMENTAL SCIENCE, ELEMENTARY, Practical and Elementary Physics, by G. M. Hopkins. Royal 8vo. 23rd ed. 1108 pp. 1902. Spon, 21s.

ELEMENTARY TREATISE ON Physics, by Prof. Ganot; trans. by E. Atkinson. Large cr. 8vo. 15th ed. 1142 pp. 1057 Illus. 9 Plates. 1901. Longmans, 15s.

LABORATORY MANUAL OF PHYSICS, by H. Crew and R. R. Tatnall. Cr. 8vo. 248 pp. 1902. Macmillan, 5s.

MANUAL OF LABORATORY PHYSICS, by H. M. Tory, M.A. and F. H. Pitcher, M.Sc. (U.S.A.). Cr. 8vo. 288 pp. 65 Illus. Chapman, 8s. 6d.

MEASUREMENT AND WEIGHING: First Year's Course in Elementary and Practical Physics, by E. Edser. Cr. 8vo. 111 pp. 36 Illus. 1899. Chapman & Hall, 2s. 6d.

PHYSICS: EXPERIMENTAL AND Theoretical, by R. H. Jude, D.Sc., and H. Gossin. Part I. Mechanics, Hydrostatics and Pneumatics. 223 pp. 149 Illus. 1899. 3s. 6d. Part

II. Heat. 566 pp. 386 Illus. 1899. 7s. 6d. Part III. Acoustics. 128 pp. 49 Illus. 1899. 2s. 6d. Chapman.

SOUND, LIGHT AND HEAT, by M. R. Wright. Cr. 8vo. 3rd ed. 270 pp. 165 Illus. 1890. Longmans, 2s. 6d.

TEXT-BOOK OF LIGHT, by R. W. Stewart, D.Sc. Cr. 8vo. 3rd ed. 210 pp. Clive, 3s. 6d.

TEXT-BOOK OF SOUND, by E. Catchpool. Cr. 8vo. 3rd ed. 210 pp. Clive, 3s. 6d.

(Chemistry. See section 13. Electricity. See section 19. Mechanics. See section 21. Optics. See section 48.)

SECTION 53.

PHYSICAL TRAINING.

ART OF SWIMMING AND AIDS TO Life Saving, by J. A. Jarvis. Cr. 8vo. 108 pp. 1902. Hutchinson, 1s.

DRILL BOOK FOR ELEMENTARY Schools (Swedish System), by J. Lishman. Demy 8vo. 288 pp. 400 Illus. 150 Selections of Music. 1901. Longmans, 7s. 6d.

DRILL FOR THE STANDARDS IN ELEMENTARY Schools, by A. Alexander. Cr. 8vo. 2nd ed. 216 Illus. Philip, 2s. 6d.

GIRLS' PHYSICAL TRAINING: Movements to Music, by A. R. James. Super Royal 4to. 100 pp. Illus. 1898. Macmillan, 7s. 6d.

GYMNASTIC EXERCISES (1,076) ON Horizontal and Parallel Bars, Rings and Horse, by F. J. Harvey. Cr. 8vo. 1903. Physical Training Pub. Co., 1s.

HEALTHFUL EXERCISES FOR GIRLS, by A. Alexander. 177 pp. 6th ed. 200 Illus. 1900. Philip, 2s. 6d.

IDEAL HEALTH AND HOW TO Attain It, by A. Bryce. Cr. 8vo. 102 pp. Illus. 1902. J. Wright & Co., Bristol, 1s.

MANUAL OF DRILL AND PHYSICAL Exercises, for Elementary and Secondary Schools, by T. Chester-ton. Cr. 8vo. 155 pp. 81 Illus. 1901. Gale & Polden, 3s.

Physical Training, continued.

MANUAL OF DRILL AND WAND Exercises, for Elementary and Secondary Schools, by T. Chester-ton. Cr. 8vo. 72 pp. 36 Illus. 37 Plates. 1901. Gale & Polden, 1s.

MANUAL OF PHYSICAL CULTURE and System of Musical Drill for Teachers in Schools, by G. Cruden. Cr. 8vo. 9th ed. 314 pp. 1901. Simpkin, 3s. 6d.

MANUAL OF SWEDISH DRILL, for Teachers and Students, by G. L. Melis. Cr. 8vo. 2nd ed. 1902. Sampson Low, 2s. 6d.

MODERN GYMNAST, by C. Spencer. Cr. 8vo. 125 pp. 120 Illus. Warne, 1s.

MODERN GYMNASTIC EXERCISES, by A. Alexander. Vol. I. Elementary. Cr. 8vo. 6th ed. 140 pp. 200 Illus. 1901. 3s. 6d. **Vol. II. Advanced.** Demy 8vo. 2nd ed. 219 pp. 270 Illus. 3s. 6d. G. Philip & Son.

MUSCLES AND HOW TO DEVELOP Them, by F. J. Harvey. Royal 8vo. 70 Illus. 7 Plates. 1902. Simpkin, 1s.

MUSICAL DRILL FOR INFANTS, by A. Alexander. 12mo. 8th ed. 92 pp. 120 Illus. 1902. Philip, 2s. 6d.

MUSICAL DRILL FOR SCHOOLS, by A. Alexander. Demy 8vo. 2nd ed. 131 pp. 132 Illus. Philip, 3s. 6d.

NATURAL METHOD OF PHYSICAL Training, by E. Checkley (U.S.A.). Post 8vo. New ed. 174 pp. Illus. 1897. Putnam's, 2s. 6d.

ONE THOUSAND DUMB-BELL, Indian Club and Steel Bar Exercises, by F. J. Harvey. 16mo. 1901. Simpkin, 6d.

PHYSICAL DEVELOPMENT AND Exercise for Women, by Mary T. Bissill, M.D. 12mo. Dodd, Mead & Co., N.Y., \$1.25.

PHYSICAL DRILL OF ALL NATIONS, by A. Alexander. Demy 8vo. 165 pp. Illus. 1894. Philip, 3s. 6d.

PHYSICAL TRAINING AT HOME, by A. Alexander. Cr. 8vo. 110 pp. Illus. 1898. Horace Cox, 2s.

SCHOOL GYMNASTICS, by J. H. Bancroft. Cr. 8vo. 298 pp. 237 Illus. 1900. Isbister, 5s.

SCHOOL GYMNASTICS WITH LIGHT

Apparatus, by J. H. Bancroft. Cr. 8vo. 506 pp. Illus. 1900. Isbister, 7s. 6d.

SCHOOLMASTER'S DRILL ASSISTANT, for Elementary Schools, by Com. F. M. Norman. Demy 12mo. 14th ed. 61 pp. 16 Plates. 1881. Bemrose, 2s.

STRENGTH AND HOW TO OBTAIN It, by E. Sandow. Cr. 8vo. 2nd ed. 148 pp. Plates. 1899. Gale & Polden, 2s. 6d.

SWEDISH SYSTEM OF PHYSICAL Education: Its Medical and General Aspects, by T. Johnson. 2nd ed. 27 Illus. J. Wright & Co., Bristol, 3s. 6d.

THEORY OF PHYSICAL EDUCATION in Elementary Schools, by T. Chesterton. Cr. 8vo. 182 pp. 55 Illus. 1895. Gale & Polden, 3s.

TRAINING OF THE BODY, by F. A. Schmidt and E. H. Miles. Med. 8vo. 544 pp. 1901. Sonnenschein, 2s. 6d.

SECTION 54.**PLUMBING, HEATING, VENTILATION.****Heating.**

AMERICAN STEAM AND HOT-WATER Heating Practice. 585 Illus. *Engineering Record*, N.Y., \$4.

ESSAYS ON HOUSE HEATING BY Steam, Hot Water and Hot Air, ed. by A. O. Kittredge (U.S.A.). Demy 8vo. 82 Plates. Spon, 12s. 6d.

FORMULÆ AND TABLES FOR HEATING, by J. H. Kinealy (U.S.A.). Gl. 8vo. 56 pp. Spon, 3s. 6d.

FURNACE HEATING: WARMING Buildings with Hot Air, by W. G. Snow. 8vo. 2nd ed. Illus. 1901. D. Williams, N.Y., \$1.50.

HEATING AND VENTILATION OF Houses, by C. F. Townsend. Sq. 8vo. 36 pp. 31 Illus. 1903. Dawbarn, 6d. paper.

HOT-WATER HEATING AND FITTING, by W. J. Baldwin. Large 8vo. 392 pp. *Engineering Record*, N.Y., \$2.50.

HOT-WATER HEATING ON THE LOW Pressure System, by F. A. Fawkes. 12mo. 78 pp. 32 Illus. 1882. Batsford, 1s.

MANUAL OF HEATING AND VENTILATION, for Engineers and Architects, by F. Schumann. 12mo. Illus. Van Nostrand, N.Y., \$1.50.

PRACTICAL TREATISE ON STEAM Heating, by F. Dye. Demy 8vo. 238 pp. 129 Illus. 1901. Spon, 10s.

PRACTICAL TREATISE ON WARMING Buildings by Hot Water, by C. Hood, rewritten by F. Dye. Demy 8vo. 3rd ed. 593 pp. 369 Illus. 1897. Spon, 15s.

STEAM AND HOT-WATER FITTERS' Text-book, by T. McNeill. Gl. 8vo. 140 pp. Illus. D. Williams Co., N.Y., \$1.

STEAM HEATING FOR BUILDINGS: Hints for Steam Fitters, by W. J. Baldwin (U.S.A.). Cr. 8vo. 370 pp. 130 Illus. 1900. Chapman, 10s. 6d.

STEAM-HEATING PROBLEMS, OR Questions, Answers and Descriptions Relating to Steam Heating and Steam Fitting. 109 Illus. *Engineering Record*, N.Y., \$3.

(Municipal Sanitation. Section 34.)

Plumbing, Sanitary Engineering.

AMERICAN PLUMBING PRACTICE. 536 Illus. *Engineering Record*, N.Y., \$3.

BYE-LAWS AS TO HOUSE DRAINAGE and Sanitary Fittings made by the London County Council, annotated by G. J. G. Jensen. Cr. 8vo. 139 pp. 109 Illus. 1 Diagram. 1901. Sanitary Pub. Co., 3s. 6d.

COMPLETE AND PRACTICAL TREATISE on Plumbing and Sanitation, by G. B. Davis and F. Dye. 2 vols. 4to. 818 pp. 637 Illus. Plates. Spon, 55s.

DEFECTS IN PLUMBING AND DRAINAGE Work, by F. Vacher, M.D. Demy 8vo. 3rd ed. 93 pp. 126 Illus. 1903. J. Heywood, 1s.

DOMESTIC SANITARY DRAINAGE and Plumbing Lectures, by W. R. Maguire. Demy 8vo. 3rd ed. 475 pp. 332 Illus. 1896. Kegan Paul, 12s.

DRAINAGE OF HABITABLE BUILDINGS, by W. L. Beardmore. Cr. 8vo.

100 pp. Illus. 1892. Whittaker, 2s. 6d.

DRAINAGE LAWS OF OHIO (U.S.A.), by F. Giauque. 8vo. R. Clarke Co., Cincinnati, \$3.50.

DRAINAGE OF TOWN AND COUNTRY Houses, by G. A. T. Middleton. Cr. 8vo. 160 pp. 93 Illus. 1903. Batsford, 4s. 6d.

DRAINAGE OF VILLAGES, by W. Spinks. Cr. 8vo. 58 pp. 1895. Sanitary Pub. Co., 1s. paper.

ELEMENTS OF SANITARY ENGINEERING, by M. Merriman (U.S.A.). Demy 8vo. 222 pp. Illus. 1899. Chapman, 8s. 6d.

EXTERNAL PLUMBING WORK: Treatise on Lead Work for Roofs, by J. W. Hart. 2nd ed. 272 pp. 180 Illus. 1902. Scott, Greenwood, 7s. 6d.

HINTS TO PLUMBERS ON JOINT Wiping, Pipe Bending and Lead Burning, by J. W. Hart. Demy 8vo. 3rd ed. 313 pp. 184 Illus. 1901. Scott, Greenwood, 7s. 6d.

HOT WATER SUPPLY: FITTING OF Hot Water Apparatus for Domestic and General Purposes, rewritten, by F. Dye. Cr. 8vo. 5th ed. 80 pp. 48 Illus. 1902. Spon, 3s.

HOUSE DRAINAGE, for Architects and Building Inspectors, by G. A. T. Middleton. Cr. 8vo. 2nd ed. 67 pp. 22 Plates. 1895. Batsford, 3s. 6d.

HOUSE DRAINAGE AND SANITARY Fittings, by G. J. G. Jensen. Cr. 8vo. 257 pp. 347 Illus. 1900. Sanitary Pub. Co., 5s.

HOUSE DRAINAGE AND SANITARY Plumbing, by W. P. Gerhard (U.S.A.). 18mo. 7th ed. 231 pp. Spon, 2s.

HOUSE DRAINAGE MANUAL, by W. Spinks. Demy 8vo. 2nd ed. 416 pp. 1903. Biggs, 7s. 6d.

HOW TO DRAIN A HOUSE, for Householdors, by G. E. Waring (U.S.A.). Cr. 8vo. 2nd ed. Spon, 6s.

IMPROVED PLUMBING APPLIANCES, by J. P. Putnam. 8vo. 91 Illus. Comstock, N.Y., \$1.

LECTURES TO PLUMBERS, by J. W. Clarke. Cr. 4to. 272 pp. 450 Illus. Batsford, 5s.

Plumbing, Sanitary Engineering,
continued.

MODERN HOUSE DRAINAGE, by G. J. G. Jensen. 1904. Sanitary Publishing Co., 2s. 6d.

MODERN PLUMBING, STEAM AND Hot-water Heating, by J. J. Lawler. 4to. 284 Illus. Plates. Lockwood, 21s.

PLUMBER AND SANITARY HOUSES, by S. S. Hellyer. Royal 8vo. 6th ed. 489 pp. 262 Illus. 30 Plates. 1899. Batsford, 12s. 6d.

PLUMBING, by W. P. Buchan. Cr. 8vo. 8th ed. 364 pp. 509 Illus. 1899. Lockwood, 3s. 6d.

PLUMBING AND HOUSE DRAINAGE Problems. Royal 8vo. 244 pp. 146 Illus. *Metal Worker*, N.Y., \$1.50.

PLUMBING, DRAINAGE, WATER Supply and Hot-water Fitting, by J. Smeaton. Demy 8vo. 236 pp. 217 Illus. 1893. Spon, 7s. 6d.

PLUMBING: ITS THEORY AND Practice, for Workmen and Students, by S. S. Hellyer. Small post 8vo. 4th ed. 294 pp. 285 Illus. 1898. Bell, 5s.

PLUMBING PROBLEMS: QUESTIONS, Answers and Descriptions. Large 8vo. 142 Illus. *Engineering Record*, N.Y., \$2.

POCKET-BOOK OF TABLES AND Memoranda for Plumbers, etc. 64mo. 312 pp. 1904. Batsford, 1s. 6d.

PRACTICAL HINTS ON JOINT Wiping, for Beginners. 6th ed. 66 pp. 41 Illus. 1901. D. Williams Co., N.Y., 25c.

PRACTICAL PLUMBER'S WORK, ed. by P. N. Hasluck. Illus. 1903. Cassell, 2s.

PRACTICAL SANITATION, by G. Reid, M.D. Demy 8vo. 10th ed. 346 pp. 106 Illus. 1903. Griffin, 6s.

PRACTICAL SCIENCE FOR PLUMBERS, Students, etc., by J. W. Clarke. Cr. 8vo. 228 pp. 127 Illus. 1903. Batsford, 5s.

PRINCIPLES OF HOT WATER Supply, by J. W. Hart. Demy 8vo. 177 pp. 129 Illus. 1900. Scott, Greenwood, 7s. 6d.

RECENT PRACTICE IN THE

Sanitary Drainage of Buildings, by W. P. Gerhard (U.S.A.). 18mo. 2nd ed. 175 pp. Spon, 2s.

SANITARY ARRANGEMENT OF Dwelling-houses, by A. J. Wallis-Taylor. Cr. 8vo. Lockwood, 2s. 6d.

SANITARY DRAINAGE AND THE Treatment of Sewage Matter, by Captain M. P. Nadićine. Demy 8vo. 30 pp. 1893. Whittaker, 1s.

SANITARY DRAINAGE OF HOUSES and Towns, by G. E. Waring (U.S.A.). Cr. 8vo. 11th ed. Spon, 10s. 6d.

SANITARY ENGINEERING, by Colonel E. C. S. Moore. 8vo. 2nd ed. 830 pp. 860 Illus. 140 Tables. 92 Plates. 1901. Batsford, 32s.

SANITARY ENGINEERING, for Sanitary Authorities and Students, by F. Wood. Cr. 8vo. 316 pp. Illus. 1902. Griffin, 3s. 6d.

SANITARY ENGINEERING OF Buildings, by W. P. Gerhard. 8vo. 454 pp. 103 Illus. 6 Plates. Comstock, N.Y., \$5.

SANITARY ENGINEER'S POCKET Book: 100 Report Forms, etc., by E. A. S. Fawcett. Long 8vo. 1899. Sanitary Pub. Co., 3s. 6d.

SANITARY FITTINGS AND PLUMBING, by G. L. Sutcliffe. Cr. 8vo. 275 pp. 212 Illus. 1901. Whittaker, 5s.

SANITARY HOUSE DRAINAGE: ITS Principles and Practice, by T. E. Coleman. Cr. 8vo. Illus. Spon, 6s.

SANITARY PLUMBING AND DRAINAGE, by J. W. Hart. Demy 8vo. 250 pp. 208 Illus. 1904. Scott, Greenwood, 7s. 6d.

SANITARY WORK IN SMALL TOWNS and Villages, by C. Slagg. Cr. 8vo. 1883. Lockwood, 3s.

SANITATION OF DOMESTIC BUILDINGS, by F. Latham. Cr. 8vo. 132 pp. 98 Illus. 1898. Sanitary Pub. Co., 2s. 6d.

SANITATION, PERSONAL AND Public: Book for County, District and Parish Councillors. Cr. 8vo. 210 pp. 1903. Stock, 2s. 6d.

SEWER GAS, AND HOW TO KEEP it out of Houses: Handbook on House Drainage, by O. Reynolds. Cr. 8vo. 3rd ed. 34 pp. 8 Illus. 1876. Macmillan, 1s. 6d.

STANDARD PRACTICAL PLUMBING, by J. P. Davies. 2 vols. Vol. I. Royal 8vo. 4th ed. 7s. 6d. Vol. II. Royal 8vo. Illus. 10s. 6d. Spon.

TECHNICAL PLUMBING, by S. B. Bennett. Illus. 1903. Author, Ancoats House, Eaglescliffe, Durham.

THOMAS' PLUMBING: STEAM AND Gas Fitting Trades Reference Book; 30,000 Names of American Firms. 12mo. Annual. Thomas Pub. Co., N.Y., \$7.50.

TREATISE ON THE MODERN Sanitary Appliances for Healthy Residences and Public Institutions, for Students, by F. Colyer. Cr. 8vo. Spon, 5s.

(Public Health. See Section 34.)

Ventilation.

HEALTH AND COMFORT IN HOUSE Building, or, Ventilation with Warm Air by Self-acting Suction Power, by J. Drysdale, M.D., and J. W. Hayward, M.D. 8vo. 3rd ed. Spon, 7s. 6d.

HEATING AND VENTILATING OF Buildings, by R. C. Carpenter (U.S.A.). Royal 8vo. 4th ed. 562 pp. 272 Illus. 1902. Chapman, 12s. 6d.

MECHANICS OF VENTILATION, by G. W. Rafter (U.S.A.). 16mo. 2nd ed. 143 pp. Spon, 2s.

NOTES ON THE VENTILATION AND Warming of Houses, Churches, Schools and other Buildings, by E. H. Jacob, M.A., M.D. 16mo. 124 pp. 16 Illus. 1894. S.P.C.K., 1s.

TREATISE ON ACOUSTICS IN CONNECTION with Ventilation, by A. Saeltzer. 12mo. Van Nostrand, N.Y., \$1.

VENTILATING AND HEATING, by J. S. Billing, A.M., M.D. (U.S.A.). Demy 8vo. 500 pp. 210 Illus. 1893. Kegan Paul, 25s.

VENTILATION AND WARMING OF School Buildings, by G. B. Morrison. E. Arnold, 4s. 6d.

VENTILATION HEATING AND MANAGEMENT of Churches and Public Buildings, by J. W. Thomas. Cr. 8vo. 148 pp. 1903. Longmans, 2s. 6d.

VENTILATION OF BUILDINGS, by W. P. Buchan. Cr. 8vo. 170 Illus. Lockwood, 3s. 6d.

(See also Heating above.)

SECTION 55.

POTTERY, CHINA, BRICKS.

Brick-making.

ARCHITECTURAL POTTERY: BRICKS, Tiles, Pipes, Enamelled Terra-cottas, Ordinary and Incrusted Quarries, Stoneware, Mosaics, etc., from French of L. Lefèvre. Royal 8vo. 500 pp. 950 Illus. 5 Plates. 1900. Scott, Greenwood, 15s.

MANUFACTURE OF GLAZED BRICKS and Glazed Sanitary Ware, by H. Ansell. Cr. 8vo. 2nd ed. 187 pp. 1898. *British Clayworker*, 7s. 6d.

PRACTICAL TREATISE ON THE Manufacture of Bricks, Tiles, Terra-cottas, etc., by C. T. Davis. Demy 8vo. 628 pp. 261 Illus. 1895. Baird, Philadelphia, \$5.

SCIENCE OF BRICK-MAKING, by G. F. Harris. Cr. 8vo. 160 pp. 1897. *British Clayworker*, 2s. 6d.

SEWER PIPE AND HOW TO MAKE it, by A. Vogt and J. A. Turner. Windsor & Kenfield Co., Chicago, 25c. paper.

China Painting.

CHINA PAINTING, by Florence Lewis. Obl. Royal 8vo. 2nd ed. 52 pp. Illus. 16 Coloured Plates. 1884. Cassell, 5s.

CHINA PAINTING FOR AMATEURS: Decoration of Hard Porcelain, by M. Louise McLaughlin. Sq. 12mo. R. Clarke Co., Cincinnati, \$1.

HANDBOOK TO THE PRACTICE OF Pottery Painting, by J. C. L. Sparkes. Cr. 8vo. 3rd ed. 52 pp. 1879. Lechertier Barbe, 1s. paper.

MANUAL FOR CHINA PAINTERS, by Mrs. di R. Monachesi. Coloured Plates. Gay & Bird, 5s.

POTTERY DECORATION: UNDER-GLAZE Painting, by M. Louise McLaughlin. Sq. 12mo. R. Clarke Co., Cincinnati, \$1.

China Painting, continued.

POTTERY PAINTING, by F. Miller. Cr. 8vo. 2nd ed. 147 pp. 55 Illus. E. Menken, 5s.

PRACTICAL LESSONS IN PAINTING on China and Porcelain, trans. from French of Baronne Delamardelle. Cr. 8vo. 64 pp. 1896. Lechertier Barbe, 1s. paper.

SUGGESTIONS TO CHINA PAINTERS, by M. L. McLaughlin. Sq. 12mo. R. Clarke Co., Cincinnati, \$1.

Pottery—General.

BOW, CHELSEA AND DERBY PORCELAIN, ed. by W. Benfroze. Imp. 8vo. 1898. Benfroze, 42s.

CERAMICS OF SWANSEA AND NANTGARW, by W. Turner. Cr. 4to. Illus. 1897. Benfroze, 42s.

CHINESE PORCELAIN, by W. G. Gulland. 2 vols. Large cr. 8vo. Vol. I. 270 pp. 485 Illus. 1898. Vol. II. 506 pp. 411 Illus. 1903. Chapman, 10s. 6d. each.

ENCYCLOPEDIA OF CERAMICS, by W. P. Jervis. 1903. *Crockery and Glass Journal*, N.Y., \$6.50.

ENGLISH POTTERY AND PORCELAIN, by Rev. E. A. Downman. Cr. 8vo. 190 pp. 1899. Upcott Gill, 3s. 6d.

HISTORY AND DESCRIPTION OF Chinese Porcelain, by C. Monkhouse. Royal 8vo. 176 pp. 54 Illus. 24 Coloured Plates. 1901. Cassell, 30s.

HISTORY AND DESCRIPTION OF English Earthenware and Stoneware, by W. Burton. Imp. 8vo. 200 pp. 24 Plates. 1904. Cassell, 30s.

HISTORY AND DESCRIPTION OF English Porcelain, by W. Burton. Royal 8vo. 192 pp. 35 Coloured Plates and 48 Plain Plates. 1902. Cassell, 63s.

POTTERY AND PORCELAIN, by F. Litchfield. Royal 8vo. 362 pp. 150 Illus. 7 Coloured Plates. 1900. Truslove, 15s.

POTTERY AND PORCELAIN, by J. W. Whitehead. Cr. 8vo. 308 pp. *Estates Gazette*, 5s.

POTTERY AND PORCELAIN OF THE United States, by E. A. Barber (U.S.A.). Demy 8vo. 2nd ed. 539 pp. 277 Illus. 1901. Putnam, 15s.

WORCESTER CHINA: RECORD OF the Work of Forty-five Years, 1852-1897, by R. W. Binns. 8vo. 32 Plates. 1897. B. Quaritch, 21s.

Pottery Manufacture.

ARCHITECTURAL POTTERY, BRICK, Tiles, Pipes, Terra-cottas, Stoneware, etc., from French of L. Lefèvre. Royal 8vo. 500 pp. 950 Illus. 5 Plates. 1900. Scott, Greenwood, 15s.

ART OF RIVETING GLASS, CHINA and Earthenware, by J. Howarth. Demy 8vo. 2nd ed. 24 pp. Illus. 1900. Scott, Greenwood, 1s. paper.

CERAMIC TECHNOLOGY: BEING some Aspects of Technical Science as applied to Pottery Manufacture, ed. by C. F. Binns. Demy 8vo. 100 pp. 1897. Scott, Greenwood, 12s. 6d.

CHEMISTRY OF POTTERY, by K. Langenbeck. Sq. cr. 8vo. 195 pp. Illus. 1895. Chemical Pub. Co., Easton, Pa., \$2.

CHEMISTRY OF THE SEVERAL Natural and Artificial Heterogeneous Compounds used in Manufacturing Porcelain, Glass and Pottery, by S. Shaw; originally issued 1837, reissued 1900. Royal 8vo. 750 pp. Scott, Greenwood, 14s.

CLAY GLAZES AND ENAMELS, by H. R. Griffen. 138 pp. 1896. Randall & Co., Indianapolis, U.S.A., \$5.

CLAYS AND CLAY INDUSTRIES OF Wisconsin, by E. R. Buckley. 8vo. 1316 pp. 54 Plates. 1901. Wesley, 10s.

COLLECTED WRITINGS OF HERMANN August Seger, prepared from Records of Royal Porcelain Factory at Berlin, by Dr. H. Hecht and E. Cramer (U.S.A.), trans. by members of American Ceramic Society. 2 vols. Royal 8vo. Vol. I. 550 pp. 1902. Vol. II. 551 pp. 1903. Scott, Greenwood, 30s. each.

HISTORY OF THE STAFFORDSHIRE Potteries and the Rise and Progress of the Manufacture of Pottery and Porcelain, by S. Shaw; originally issued in 1829, reissued 1900. Demy 8vo. 265 pp. Scott, Greenwood, 7s. 6d.

HOW TO ANALYSE CLAY, by H. M. Ashby (U.S.A.). Demy 8vo. 74 pp. 20 illus. 1901. Scott, Greenwood, 2s. 6d.

MANUAL OF PRACTICAL POTTING, ed. by C. F. Binns. Demy 8vo. 3rd ed. 200 pp. 1901. Scott, Greenwood, 17s. 6d.

MATERIAL AND DESIGN IN POTTERY, by W. Burton. Demy 8vo. 1897. Society of Arts, 1s. paper.

NOTES ON POTTERY CLAYS: THEIR Distribution, Properties, Uses and Analyses of Ball Clays, China Clays and China Stone, by J. Fairie. Cr. 8vo. 132 pp. 1901. Scott, Greenwood, 3s. 6d.

NOTES ON THE MANUFACTURE OF Earthenware, by E. A. Sandeman. Cr. 8vo. 371 pp. illus. 1901. Virtue, 7s. 6d.

RESEARCHES ON LEADLESS GLAZES, by W. J. Furnival. Demy 8vo. 135 pp. 1898. W. J. Furnival, Stone, Staffs., £5 5s.

TEXT-BOOKS ON CERAMIC CALCULATIONS, by W. Jackson. Cr. 8vo. 86 pp. 1904. Longmans, 3s. 6d.

TREATISE ON THE CERAMIC INDUSTRIES: Complete Manual for Pottery, Tile and Brick Works, by E. Bourry, trans. from French by W. P. Rix. Royal 8vo. 760 pp. 323 illus. 1901. Scott, Greenwood, 21s.

Pottery Marks.

CHINA COLLECTOR'S POCKET COMPANION, by Mrs. B. Palliser. Cr. 8vo. 9th ed. 164 pp. Sampson Low, 5s.

ENGLISH CHINA AND CHINA MARKS. Cr. 8vo. 7th ed. 35 pp. E. Menken, 1s. 3d.

MANUAL OF MARKS ON POTTERY and Porcelain, by W. H. Hooper and W. C. Phillips. 16mo. 2nd ed. 240 pp. illus. 1900. Macmillan, 4s. 6d.

MARKS AND MONOGRAMS ON European and Oriental Pottery and Porcelain, by W. Chaffers; revised and edited by F. Litchfield. 10 x 6½ in. 9th ed. 996 pp. 1900. Reeves & Turner, 42s.

POTTERY MARKS, by W. P. Jervis.

Royal 8vo. 104 pp. Jervis, Newark, N.J., U.S.A., 50c.

(Property. See section 38.)

SECTION 56.

PUBLIC MEETINGS, ELECTIONS, TAXES.

Elections, Municipal Work.

CANDIDATE'S AND AGENT'S GUIDE in Contested Elections, by H. C. Richards, K.C., M.P. Cr. 8vo. 3rd ed. 182 pp. 1900. Jordan, 3s. 6d.

COUNTY COUNCILS, MUNICIPAL Corporations, Urban and District Councils' Companion. Large cr. 8vo. 1250 pp. Annual. Kelly's, 10s. 6d.

ELECTION MANUAL FOR PARISH and District Councillors and Guardians, by W. C. Ryde. Demy 8vo. 1894. Reeves & Turner, 7s. 6d.

ELECTION MANUALS, by F. R. Parker. Cr. 8vo. 1892. Vol. I. For the Presiding Officer. Vol. II. For the Polling Agent. Vol. III. For the Counting Assistant. Vol. IV. For the Volunteer Assistant. Clowes, 2s. 6d. each.

LAW OF DISTRICT AND PARISH Councils, by J. Lithiby. Demy 8vo. 2nd ed. 659 pp. 1897. E. Wilson, 15s.

LAW OF ELECTIONS AND ELECTION Petitions, by E. C. Leigh and H. D. de Marchant; 4th ed. by G. Anderson and C. E. Ellis. Demy 8vo. 1885. Clowes, 17s. 6d.

MANUAL FOR OVERSEERS, by A. F. Jenkin. Cr. 8vo. 2nd ed. 456 pp. 1901. Knight, 5s.

MUNICIPAL ADMINISTRATION, by J. A. Fairlie (U.S.A.). Cr. 8vo. 1901. Macmillan, 12s 6d.

MUNICIPAL TRADE: ADVANTAGES and Disadvantages, by L. Darwin. Med. 8vo. 488 pp. 1903. Murray, 12s.

PRACTICAL READY-REFERENCE Guide to Parish Councils and Parish Meetings, by J. H. Stone and J. G. Pease. Cr. 8vo. 8th ed. 278 pp. 1898. Philip, 6s.

Public Meetings.

CHAIRMAN AND SPEAKERS' GUIDE: Rules for Public Meetings. 18mo. E. Howell, Liverpool, 2s.

CHAIRMAN'S HANDBOOK, by Sir R. F. D. Palgrave. 12mo. 13th ed. 1904. Low, 2s.

CONDUCT OF PUBLIC MEETINGS, by J. H. Cooke. Cr. 8vo. 2nd ed. Alexander & Shepherd, 1s. 6d.

GUIDE TO BUSINESS OF PUBLIC MEETINGS, with Duties and Powers of Chairman, by J. Tayler. Cr. 8vo. 3rd ed. 148 pp. 1902. E. Wilson, 2s. 6d.

HANDBOOK FOR PUBLIC MEETINGS: Summoning and Management, by G. F. Chambers. Demy 8vo. 1886. Stevens & Sons, 2s. 6d.

HOW TO SPEAK AND WHAT TO SAY: Hints for Speaking at Parochial Meetings, by Mrs. A. H. Bartrop. Cr. 8vo. 94 pp. 1903. W. Gardner, 1s.

MISSIONARY SPEAKER'S MANUAL, by A. R. Brickland and J. D. Mullins. Cr. 8vo. 380 pp. 1901. Nisbet, 6s.

PUBLIC SPEAKING AND DEBATE, by G. J. Holyoake. Cr. 8vo. 274 pp. 1903. Unwin, 1s. paper.

Taxes.

GUIDE TO INCOME-TAX PRACTICE, for Taxpayers, by A. Murray and R. N. Carter. Demy 8vo. 2nd ed. 372 pp. 1899. Gee, 10s.

GUIDE TO THE HOUSE TAX ACTS, by A. M. Ellis. Royal 12mo. 1885. Clowes, 6s.

INCOME-TAX ACTS, by H. St. G. Peacock. Royal 8vo. 1901. Sweet & Maxwell, 15s.

TAXPAYERS' CASH BOOK, by A. M. Scarff. 8½ × 6 in. 4th ed. 260 pp. Income-tax Adjustment Agency, 3s. 6d.

(Public Health. See section 34.)

SECTION 57.

RAILWAYS AND TRAMWAYS.**General.**

AMERICAN RAILWAYS, by E. A. Pratt. Cr. 8vo. 318 pp. 1903. Macmillan, 3s. 6d.

ECONOMIC THEORY OF THE LOCATION of Railways, by A. M. Wellington (U.S.A.). Large cr. 8vo. 6th ed. 980 pp. 303 illus. 1899. Chapman, 21s.

IRISH RAILWAY AND COMMERCIAL GAZETTEER. Demy 8vo. McCorquodale, 2s. 6d.

KILBURN'S STANDARD HANDBOOK for Railroad Men: Questions and Answers. 16mo. Laird & Lee, Chicago, \$1.

MEMORANDUM OF CO-OPERATIVE RAILROADS: How Rural Districts of Belgium are Constructing Cheap Railways, by an Expert. Maps and Tables. Eyre & Spottiswoode, 2s.

NOTES ON RAILROAD ACCIDENTS: Their Causes and Prevention, by C. F. Adams, Jun. (U.S.A.). Cr. 8vo. 280 pp. 1879. Putnam, 5s.

RAILROADS AND RAILROAD QUESTIONS, by C. F. Adams, Jun. (U.S.A.). Cr. 8vo. Revised ed. Putnam, 5s.

RAILWAY AND COMMERCIAL GAZETTEER of England, Scotland and Wales. Royal 8vo. 15th ed. 618 pp. 1900. McCorquodale, 8s. 6d.

RAILWAY DIARY AND OFFICIALS' DIRECTORY. Demy 8vo. Annual. McCorquodale, 1s.

RAILWAY MANUAL: SHAREHOLDER'S Guide and Official Directory. Cr. 8vo. 1903. Bradshaw, 12s.

RAILWAY TECHNICAL VOCABULARY: 5,000 French, English and American Technical Expressions, by L. Serrailier. Cr. 8vo. 224 pp. 1897. Whittaker, 7s. 6d.

REMUNERATIVE RAILWAYS FOR New Countries, by R. C. Rapier. Cr. 4to. Illus. Spon, 15s.

ROADS AND RAILROADS, by W. Gillespie. 12mo. 10th ed. 464 pp. A. S. Barnes & Co., N.Y., \$1.75.

STANDARD HANDBOOK FOR RAILROAD MEN, by A. Kilburn (U.S.A.). 16mo. 200 pp. 1898. Gay & Bird, 5s.

TWENTY YEARS' RAILWAY STATISTICS, 1883 to 1903. 200 pp. 1903. F. C. Mathieson & Sons, 1s.

UNIVERSAL DIRECTORY OF RAILWAY OFFICIALS. Demy 8vo. 558 pp. Annual. *Railway Engineer*, 10s. 6d.

USEFUL INFORMATION FOR RAILWAY MEN, by W. G. Hamilton. 16mo. 10th ed. 562 pp. Van Nostrand, N.Y., \$2.

Brakes.

CONTINUOUS RAILWAY BRAKES, by M. Reynolds. Large cr. 8vo. Lockwood, 9s.

SIMPLE AND AUTOMATIC VACUUM BRAKES, by C. Briggs. 8vo. Plates. Spon, 4s.

UP-TO-DATE AIR-BRAKE CATECHISM, by R. H. Blackall (U.S.A.). Cr. 8vo. 18th ed. 305 pp. 96 illus. 3 Plates. 1904. Spon, 8s. 6d.

Bridges.

AMERICAN RAILROAD BRIDGES, by T. Cooper. Super royal 8vo. 60 pp. 26 Plates. 7 Tables. *Engineering News*, N.Y., \$2.

ESTIMATES AND DIAGRAMS OF RAILWAY BRIDGES FOR TURNPIKE, PUBLIC AND OCCUPATION ROADS, IN THE EMBANKMENTS OF DOUBLE OR SINGLE LINES, by J. W. Grover. Folio. 2nd ed. 37 Coloured Plates. Spon, 31s. 6d.

PLATE GIRDER RAILWAY BRIDGES, by M. Fitzmaurice, B.A. 8vo. Plates. Spon, 6s.

WOODEN TRESTLE BRIDGES AS USED ON AMERICAN RAILROADS, by W. C. Foster (U.S.A.). 4to. 2nd ed. Chapman, 21s.

(See also **Bridges under Engineering**, section 21.)

Buildings, Stations.

BUILDINGS AND STRUCTURES OF AMERICAN RAILROADS, by W. G. Berg (U.S.A.). 4to. 700 illus. 1900. Chapman, 31s. 6d.

EXAMPLES OF STATION BUILDINGS AND THEIR COST AS EXECUTED ON SEVERAL RAILWAYS, by J. W. Grover. Folio. 13 Plates. Spon, 10s. 6d.

HANDBOOK OF RAILWAY STATIONS, JUNCTIONS, COLLIERIES, SIDINGS, FOR U.K., GIVING GOODS AND PASSENGER STATIONS, by Oliver and Airey. McCorquodale, 5s., and Appendix. Annually. 1s.

IRON AND TIMBER RAILWAY SUPERSTRUCTURES AND GENERAL WORKS,

by J. W. Grover. Folio. Spon, 42s.

(Civil Engineering. See section 21.)

Construction of Railways.

FIELD AND OFFICE TABLES: Specially Applicable to Railroads, by C. F. Allen. 12mo. 1903. Spon, 8s. 6d.

FIELD BOOK FOR RAILROAD ENGINEERS, by J. B. Henck (U.S.A.). 12mo. 2nd ed. Spon, 10s. 6d.

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Construction of Railways, continued.

RAILWAY APPLIANCES: DETAILS of Railway Construction Subsequent to the Completion of the Earthworks and Structures, by Sir J. Wolfe Barry. Text book of Science. Fcp. 8vo. 351 pp. 218 Illus. 1898. Longmans, 4s. 6d.

RAILWAY BUILDER: PROBABLE Cost of American Railway Construction and Equipment, by W. J. Nicholls. 5th ed. Illus. Baird, Philadelphia, 82.

RAILWAY CONSTRUCTION, by W. H. Mills. Royal 8vo. 2nd ed. 335 pp. 345 Illus. 1900. Longmans, 18s.

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HANDBOOK FOR SOLICITORS AND Engineers engaged in Promoting Acts of Parliament for Railways, Tramways, etc., by L. L. Macassey. 8vo. 1887. Lockwood, 25s.

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(Tramways. See below.)

(Locomotive Engineering. See section 21.)

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PLATELAYER'S GUIDE. 4th ed. 1901. Summerson & Sons, Ltd., Darlington, 5s.

RAILWAY TRACK AND TRACK Work, by E. E. R. Tratman. Med. 8vo. 2nd ed. 472 pp. 226 Illus. 1901. *Engineering News*, N.Y., \$3.

STREET RAILWAY ROAD BED, by M. D. Pratt and C. A. Alden. Demy 8vo. 135 pp. 157 Illus. 1898. Street Railway Pub. Co., N.Y., \$2.

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BLOCK SIGNAL OPERATION, by W. L. Derr. Cr. 8vo. 1898. Van Nostrand, N.Y., \$1.50.

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RAILWAY "BLOCK" SIGNALLING, Principles of Train Signalling and Apparatus for Ensuring Safety, by J. Pigg. Cr. 8vo. 602 pp. Illus. 1898. Biggs, 7s. 6d.

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(Surveying. See section 64.)

Tramways.

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ELECTRIC TRACTION ON RAILWAYS and Tramways, by A. Reckenzaun. 12mo. 213 Illus. Van Nostrand, N.Y.

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TREATISE UPON CABLE OR ROPE Traction as Applied to Street and

other Railways, by J. B. Smith. Cr. 4to. Illus. 1887. *Engineering*, 5s.

(Tramway Law. See Law of Railways above.)

(Refrigeration. See section 21.)

SECTION 58.

RIVERS, CANALS.

CANAL SYSTEM OF ENGLAND: ITS Growth and Present Condition, by H. G. Thompson. Sq. cr. 8vo. 74 pp. 1903. T. F. Unwin, 2s.

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WATERWAYS AND WATER TRANSPORT in Different Countries, by J. S. Jeans. Demy 8vo. 507 pp. Illus. 1890. Spon, 14s.

(Dams, Docks, Harbours.

See section 16.)

(Water. See section 71.)

SECTION 59.

ROADS, HIGHWAYS.

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PRACTICAL GUIDE FOR SURVEYORS of Highways (Nash's). 1880. Butterworth, 5s.

(Sanitation. See section 34.)

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(Sale of Goods Acts. See section 40.)

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MODERN TYPEWRITING AND MANUAL of Office Procedure, by A. E. Morton. Royal 8vo. 192 pp. 1903. I. Pitman, 2s. 6d.

TOUCH TYPEWRITING MANUAL, by J. T. Warren. Demy 8vo. 116 pp. 1903. Bell, 1s. 6d. boards.

TYPEWRITER MANUAL: PRACTICAL Guide to Typewriting Work. Large post 8vo. 3rd ed. 158 pp. Pitman, 3s.

TYPEWRITING AND BUSINESS CORRESPONDENCE Manual of Instruction, by O. R. Palmer (U.S.A.). Royal 8vo. 148 pp. 1900. Lippincott, 6s.

TYPEWRITING MACHINES: Two Lectures, by H. C. Jenkins. Demy 8vo. 1894. Society of Arts, 1s. paper.

TYPISTS' MANUAL, for Commercial Students, by E. Collyns. Cr. 8vo. 5th ed. 167 pp. 1904. J. Heywood, 2s. 6d.

TYPISTS' ADVANCED MANUAL, by E. Collyns. Demy 4to. 118 pp. 1898. J. Heywood, 3s.

(Commerce, Business. See section 15.)

(Silversmith. See section 37.)

(Smoke-prevention. See Engineering, section 21.)

SECTION 62.**SOAPS, CANDLES.**

AMERICAN SOAPS, by Dr. H. Gathmann. Royal 8vo. 3rd ed. 460 pp. 1902. *American Soap Journal*, Milwaukee, \$15.

ART OF SOAPMAKING, by A. Watt. Cr. 8vo. 6th ed. 1901. Lockwood, 7s. 6d.

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SOAP BRAND RECORD AND TRADE Mark Manual, by L. L. Lamborn, B.S. (U.S.A.). 8½ × 5½. 178 pp. 1902. Chas. S. Berriman, N.Y., \$5.

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SOAP MANUFACTURE, for Workmen and Students, by W. L. Gadd. Sm. post 8vo. 2nd ed. 230 pp. 33 Illus. 1899. Bell, 5s.

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TREATISE ON THE MANUFACTURE of Soap and Candles, Lubricants and Glycerine, by W. L. Carpenter, B.A., B.Sc. Cr. 8vo. 2nd ed.

446 pp. 104 Illus. 1895. Spon, 12s. 6d.

(Oils, Greases. See section 47.)

(Chemicals. See section 13.)

SECTION 63.

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(Insurance. See section 36.)

(Solicitors. See section 40.)

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(Steam. See Engineering, section 21.)

(Stockbroking. See section 23.)

SECTION 64.

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(Civil Engineering. See section 21.
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(Taxes. See section 56.)

SECTION 65.

TEACHING, EDUCATION.

(Drawing. See section 4.)

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CLASS TEACHING AND MANAGEMENT, by J. Gunn. 8vo. 191 pp. 1895. Nelson, 2s. 6d.

COMPREHENSIVE METHOD OF Teaching, by E. K. Gordon. Cr. 8vo. 1903. Book I. 1s. 6d. Book II. 1s. 3d. Heath.

COURSES OF STUDIES AND METHODS of Teaching, by J. T. Prince (U.S.A.). Cr. 8vo. 344 pp. 1896. Ginn, 3s. 6d.

DAY DREAMS OF A SCHOOLMASTER, by D'Arcy W. Thompson, M.A. Cr. 8vo. 336 pp. 1899. Isbister, 5s.

ENTRANCE SCHOLARSHIP QUESTIONS for Chief Public Schools and H.M.S. *Britannia*. Cr. 8vo. 576 pp. 1903. Sonnenschein, 5s.

ESSENTIALS OF METHOD IN Teaching, by C. de Garmo (U.S.A.). Cr. 8vo. New ed. 119 pp. Isbister, 2s. 6d.

IRISH TEACHERS' WORK BOOK: Instructions and Examination Progress Mark Book. Folio. 1901. Macmillan, 1s.

LAW (WITH ACTS) RELATING TO Schools and Teachers, by T. A. Organ, B.A. Cr. 8vo. 566 pp. 1900. Simpkin, 8s. 6d.

LECTURES ON PEDAGOGY: THEORETICAL and Practical, trans. from G. Compayré (U.S.A.). Cr. 8vo. 500 pp. 1898. Isbister, 6s.

MANUAL OF METHODS OF TEACHING, by J. Wilson. Post 8vo. 440 pp. 1897. Nelson, 5s.

MANUAL TRAINING IN ELEMENTARY Schools for Boys, by A. Sluys (U.S.A.). Demy 8vo. 46 pp. 1889. T. Laurie, 1s. paper.

MISTAKES IN TEACHING, by J. L. Hughes (Canada). Demy 8vo. 124 pp. 1899. Bacon, 2s.

NOTES ON LESSONS. 2 vols. Vol. I. For Infant Classes and Lower Standards. Cr. 8vo. 6th ed. 142 pp. Illus. 2s. 6d. Vol. II. Upper Standards. 2nd ed. 192 pp. 3s. 6d. Jarrold.

PHILOSOPHY OF TEACHING, by A. Tompkins (U.S.A.). 12mo. 280 pp. Ginn, 3s. 6d.

PRACTICAL HINTS IN TEACHING Under New System of Inspection, by D. C. Rees. Cr. 8vo. 70 pp. 1901. National Publishing Association, 1s.

PRACTICAL HINTS ON TEACHING, by J. Menet. Cr. 8vo. 7th ed. 126 pp. Plates. Bell, 2s. paper.

PRINCIPLES OF CLASS TEACHING, by J. J. Findlay. Cr. 8vo. 478 pp. 1902. Macmillan, 5s.

RELIGIOUS TEACHING IN SECONDARY Schools: Suggestions to Teachers, by G. C. Bell. Gl. 8vo. 209 pp. 1898. Macmillan, 3s. 6d.

SCHOOLMASTER'S YEAR BOOK AND Directory. 8vo. 884 pp. 1903. Sonnenschein, 5s.

SYLLABIC SYSTEM OF TEACHING to Read, by J. R. Blakiston. Cr. 8vo. 4th ed. 36 pp. 1898. Bell, 1s.

SYSTEMATIC SCIENCE TEACHING, by E. G. Howe. E. Arnold, 6s.

TEACHER'S WORK BOOK, by A. Flavell and G. H. Robinson. Fcp. folio. 9th ed. 60 ruled pp. 1901. Macmillan, 1s. 6d.

TEACHER'S MANUAL OF SCIENCE and Art of Teaching. Cr. 8vo. 547 pp. National Society's Depository, 5s. 6d.

TEACHING OF SCIENTIFIC METHOD and other Papers on Education, by H. E. Armstrong. Cr. 8vo. 490 pp. 1903. Macmillan, 6s.

THEORY AND PRACTICE OF TEACHING, by Rev. E. Thring. Fcp. 8vo. Cambridge University Press, 4s. 6d.

TREATISE ON EDUCATION, by Emile Rousseau; trans. by W. H. Payne, Ph.D., LL.D. Cr. 8vo. 362 pp. 1901. E. Arnold, 6s.

Teaching Composition, Reading.

ENGLISH: COMPOSITION, GRAMMAR and Spelling. Standards I.-V. Cr. 8vo. 1s. 6d. each. Standards VI.-VII. 1 vol. Cr. 8vo. 2s. 1902. Schofield & S.

HINTS ON TEACHING READING, by M. S. Hussey. 12mo. Lothrop Pub. Co., Boston, U.S.A., 75c.

NOTES OF LESSONS ON ENGLISH Grammar, for Teachers in Elementary Schools, by J. E. Singleton. Cr. 8vo. 156 pp. 1882. Jarrold, 2s. 6d.

TEACHER'S ENGLISH GRAMMAR Assistant, by Com. F. M. Norman, R.N. Cr. 8vo. 5th ed. 183 pp. 1894. Bemrose, 2s.

TEACHER'S MANUAL OF COMPOSITION, by R. S. Wood. Vol. I. Junior Course for Infants and Standards I. and II. Cr. 8vo. 154 pp. 1902. Macmillan, 1s. 6d.

TEACHING OF ENGLISH IN ELEMENTARY and in Secondary Schools, by P. Chubb. Cr. 8vo. 434 pp. 1902. Macmillan, 4s. 6d.

TEACHING OF ENGLISH READING, by N. Dale. Cr. 8vo. 2nd ed. 196 pp. 1903. Dent, 2s. 6d.

Training Teachers.

EDUCATION OF TEACHERS, by W. H. Payne, Ph.D., LL.D. 12mo. 272 pp. 1901. B. F. Johnson Pub. Co., Richmond, Va., U.S.A., \$1.50.

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TRAINING OF TEACHERS IN THE U.S.A., by Bramwell and Hughes. Cr. 8vo. 198 pp. 1894. Sonnenschein, 3s. 6d.

(Woodwork. See p. 39.)

Writing.

COMPENDIUM FOR TEACHING HANDWRITING, by J. Jackson. Cr. 8vo. 62 pp. Illus. 1895. Low, 1s. limp.

THEORY AND PRACTICE OF HANDWRITING, by J. Jackson. Demy 8vo. 4th ed. 260 pp. 82 Illus. 1898. Low, 5s.

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SECTION 67.

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BLEACHING AND CALICO PRINTING, with 19 Sheets of Patterns, by G. Duerr and W. Turnbull. Large 8vo. 142 pp. 24 Illus. 1896. Griffin, 12s. 6d.

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(Printing. See below.)

Book-keeping, Directories, Reports.

ATLANTIC COTTON TELEGRAPH Code. 37th ed. Palmer, Howe, Manchester, £4 4s.

BLUE BOOK, TEXTILE DIRECTORY of U.S.A. and Canada. 600 pp. Annual. Davison Pub. Co., N.Y., \$3.

DIRECTORY OF THE MANUFACTURERS of Textile Fabrics for the British Isles. 5th ed. 1897. Kelly's, 36s.

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General Phrase Code, by J. Brookes. Palmer, Howe, Manchester, 50s.

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INTERNATIONAL YARN TABLES, by McLennan, Blair & Co. 1903. J. & R. Parlange, Paisley, 1s.

MANUFACTURER'S WARP TABLES and Warper's Assistant. Demy 8vo. G. Watson & Son, Glasgow, 3s.

METHOD OF COST FINDING IN Cotton Mills, by W. G. Nichols. J. M. Wade & Co., Boston, U.S.A., \$1.50.

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(See also under **Art**, section 4.)

(**Calico Printing**. See **Dyeing**, also **Printing**.)

Cotton Manufacture.

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COTTON MANUFACTURERS', MAN-AGERS' and Spinners' New Pocket Guide, by J. Moss. Cr. 8vo. 5th ed. 126 pp. 1884. J. Heywood, 3s. 6d.

COTTON MANUFACTURING, by C. P. Brooks. Cr. 8vo. 3rd ed. 176 pp. 74 Illus. 1892. Spon, 2s. 6d.

COTTON MANUFACTURING, by E. A. Posselt (U.S.A.). Part I. Fibre, Ginning, Mixing, Picking, Scutch-

ing and Carding. 1903. Sampson Low, 14s.

COTTON STUDENT'S MANUAL, or **Manager's and Overlooker's Guide**, by R. Cunliffe. Cr. 8vo. 3rd ed. 80 pp. 1904. A. Heywood, Manchester, 2s.

COTTON TRADE IN ENGLAND AND the Continent, from the German of G. von Schultze-Gaevernitz. Demy 8vo. 214 pp. 1895. Marsden, Manchester, 5s.

DOUBLING AND MANUFACTURE OF Cotton Threads, by J. Dodson. Demy 8vo. 324 pp. 1903. Longmans, 10s. 6d.

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by T. R. Ashenhurst. Demy 8vo. 5th ed. 402 pp. 380 Illus. 1893. Simpkin, 12s. 6d.

(Dressmaking. See section 18.)

Dyeing.

ART OF DYEING WOOL, SILK AND COTTON, from French of M. Hellot, M. Macquer, M. le P. d'Apligny. First issued in English 1789; re-issued 1901. Demy 8vo. 446 pp. 6 Plates. Scott, Greenwood, 5s.

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MANUAL OF DYEING, by E. Knecht, C. Rawson and R. Loewenthal. 2 vols. 920 pp., and 1 vol. of 144 Dyed Fabrics. Vol. I. 403 pp. 51

Illus. Vol. II. 907 pp. 115 Illus. 1893. Griffin, 45s.

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PRACTICAL SCOURER AND GARMENT DYER, by W. T. Brannt (U.S.A.). Cr. 8vo. 203 pp. Illus. 1893. Low, 10s. 6d.

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CHEMISTRY OF COAL-TAR COLOURS, by R. Benedikt and E. Knecht. 2nd ed. George Bell & Sons.

CHEMISTRY OF DYESTUFFS, by Dr. G. von Georgievics, trans. from German. Demy 8vo. 412 pp. 1903. Scott, Greenwood, 10s. 6d.

CHEMISTRY OF ORGANIC DYESTUFFS, by Prof. Nietzki, trans. by A. Collin and W. Richardson. 8vo. 329 pp. 1892. Gurney & J., 15s.

COMMERCIAL ORGANIC ANALYSIS, by A. H. Allen. Vol. III., Part I. Tannins, Dyes and Colouring Matters, Writing Inks. 8vo. 3rd ed. 600 pp. 1901. Churchill, 18s.

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CULTURE AND MANUFACTURE OF Indigo, by W. M. Reid. Cr. 8vo. 19 illus. Thacker, 6s.

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DICTIONARY OF DYES, MORDANTS and other Compounds used in Dyeing and Calico Printing, by C. Rawson, W. M. Gardner and W. F. Laycock. Royal 8vo. 372 pp. 1901. Griffin, 16s.

DYERS' MATERIALS: EXAMINATION and Application of the most important Substances used in Dyeing, Printing, Bleaching and Finishing, by P. Heerman, trans. from German. Cr. 8vo. 150 pp. 24 illus. 1901. Scott, Greenwood, 5s.

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SYSTEMATIC SURVEY OF THE ORGANIC Colouring Matters, by G. Schu'tz and P. Julius, trans. by A. G. Green. 2nd ed. Imp. 8vo. 205 pp. 1904. Macmillan, 21s.

(**Embroidery, Lace.** See section 18.)

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ANALYSIS AND REPRODUCTION OF Textile Fabrics, by A. F. Barker, with Appendix on Cost of Cloths. Marsden, Manchester, 5s.

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COTTON FIBRE AND THE MIXING of Cotton, by H. Monie, Jun. Cr. 8vo. 166 pp. Illus. 1904. Simpkin, Marshall, 3s. 6d.

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COTTON MANUFACTURING, by E. A. Posselt (U.S.A.). Part I. Fibre, Ginning. 8vo. 1903. Low, 14s.

CULTURE AND COMMERCE OF Cotton in India and Elsewhere, by J. Forbes Royle, M.D. Demy 8vo. 607 pp. Plates. 1851. Smith, Elder, 18s.

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REPORT ON THE FLAX-CULTURE for Seed and Fibre in Europe and America, by C. R. Dodge (U.S.A.). 8vo. Illus. Spon, 2s.

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STRUCTURE OF THE COTTON FIBRE, by F. H. Bowman. Palmer, Howe, Manchester. *Out of print.*

STRUCTURE OF THE WOOL FIBRE in its Relation to the Use of Wool for Technical Purposes, by F. H. Bowman, D.Sc. 8vo. 366 pp. 32 Plates. Palmer, Howe, Manchester, 21s.

STRUCTURES OF FIBRES, YARNS and Fabrics, by E. A. Posselt. 4to. 400 illus. Baird, Philadelphia, \$5.

TEXTILE FIBRES OF COMMERCE, by W. I. Hannan. 8vo. 328 pp. 149 illus. 1902. Griffin, 9s.

TEXTILE RAW MATERIALS AND their Conversion into Yarns (The Study of the Raw Materials and Technology of the Spinning Process), from German of J. Zipser. Demy 8vo. 500 pp. 302 illus. 1901. Scott, Greenwood, 10s. 6d.

(Cellulose. See p. 113.)

(Finishing. See Bleaching.)

(Linen. See Weaving.)

Machinery, Mills.

COTTON COMBING MACHINES, by T. Thornley. Demy 8vo. 300 pp. 117 illus. 1902. Scott, Greenwood, 7s. 6d.

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Mercerisation, Waterproofing.

MERCERISATION: PRACTICAL AND Historical Manual. 2 vols. Royal 8vo. 380 Patterns. 67 illus. 1903. Heywood & Co., Ltd., 25s.

WATERPROOFING FABRICS AND Materials, by Dr. S. Mierzinski; trans. from German. Cr. 8vo. 29 illus. 1903. Scott, Greenwood, 5s.

(Millinery. See section 18.)

Printing.

CALICO PRINTING, by C. O'Neill. 2 vols. Demy 8vo. Palmer, Howe, Manchester, 22s.

COLOUR PRINTING OF CARPET Yarns, by D. Paterson. Demy 8vo.

136 pp. 17 illus. 1900. Scott, Greenwood, 7s. 6d.

PRINTING OF COTTON FABRICS, by A. Sansome. Demy 8vo. 2nd ed. revised. 482 pp. Plates and Specimens. 1902. Simpkin, 18s.

PRINTING OF TEXTILE FABRICS, by C. F. S. Rothwell. Large 8vo. 312 pp. 50 illus. 103 Printed Patterns. 1897. Griffin, 21s.

(See also Dyeing, above.)

Silk.

COMPLETE INSTRUCTION IN REARING Silkworms, by Carrie Williams. 12mo. illus. 1902. Whitaker & Ray Co., San Francisco, \$1.25.

ORNAMENT IN EUROPEAN SILKS, by A. S. Cole. Cr. 4to. 220 pp. 167 illus. 1899. Constable, 32s.

POWER LOOM WEAVING OF SILK Fabrics at Lyons, by Thomas Wardle. 8vo. 36 pp. Plates and illus. 1893. Wm. Harris & Sons, Manchester. *Out of print.*

SILK DYEING, by G. H. Hurst. Small post 8vo. 226 pp. 21 illus. 11 Plates of Coloured Patterns. 1892. Bell, 7s. 6d.

SILK THROWING AND WASTE SILK Spinning, by H. Rayner. Demy 8vo. 170 pp. 117 illus. 1903. Scott, Greenwood, 5s.

Sizing.

SIZING AND MILDEW IN COTTON Goods, by G. E. Davis and C. Dreyfus. Demy 8vo. 2nd ed. 262 pp. 10 illus. 9 Plates. 1889. Simpkin, 10s.

SIZING INGREDIENTS, SIZE MIXING and Sizing, by H. Monie, Jun., for the Textile Trades. 2nd ed. 64 pp. illus. A. Heywood, Manchester, 2s. 6d. limp.

WARP SIZING, by W. E. Webb. Demy 8vo. 138 pp. illus. J. Heywood, 5s.

SIZING OF COTTON GOODS, by Wm. Thomson. 8vo. 2nd ed. 258 pp. Plates and illus. 1879. John Heywood. *Out of print.*

Soaps and Oils, Textile.

TEXTILE SOAPS AND OILS: HANDBOOK on the Preparation, Properties

and Analysis of the Soaps and Oils used in Textile Manufacturing, Dyeing and Printing, by G. H. Hurst, F.C.S. Cr. 8vo. 195 pp. 1904
 Scott, Greenwood, 5s.

Spinning.

ANSWERS TO QUESTIONS SET IN Cotton Spinning Examinations, by R. Cunliffe. Cr. 8vo. 52 pp. 1896
 A. Heywood, Manchester, 2s.

COMPLETE GUIDE TO SELF-ACTING Mules, by J. Cheetham. Cr. 8vo. 5th ed. 70 pp. J. Heywood, 1s 6d paper.

COTTON SPINNING, by R. Marsden, for Workmen and Students. Sm. post 8vo. 5th ed. 361 pp. 101 Illus. 1899. Bell, 6s. 6d.

COTTON SPINNING, by W. S. Taggart. 3 vols. Cr. 8vo. Vol. I. Processes up to end of Carding. 2nd ed. 196 pp. 98 Illus. 1902. 4s. Vol. II. To the end of Fly-frames. 2nd ed. 207 pp. 86 Illus. 1901. 4s. Vol. III. 436 pp. 217 Illus. 1898. 10s. Macmillan.

COTTON SPINNING, for Students, by T. Thornley. 3 vols. Cr. 8vo. 1901. Vol. I. For First Year Students. 160 pp. 84 Illus. 3s. Vol. II. For Intermediate Course. 180 pp. 70 Illus. 5s. Vol. III. Honours Course. 216 pp. 74 Illus. 5s. Scott, Greenwood.

COTTON SPINNING AND WEAVING, by H. E. Walmsley. Demy 8vo. 3rd ed. 402 pp. Illus. 1893. A. Heywood, Manchester, 7s. 6d.

ELEMENTS OF COTTON SPINNING, by J. Morris and F. Wilkinson. Cr. 8vo. 394 pp. 169 Illus. 1897. Longmans, 7s. 6d.

FLAX, TOW AND JUTE SPINNING, by P. Sharp. Cr. 8vo. 3rd ed. 1896. J. P. Mathew & Co., Dundee, 5s.

HANDBOOK TO COTTON SPINNING, by J. E. Holme, revised by T. Thornley. Cr. 8vo. 3rd ed. 232 pp. Illus. 1901. J. Heywood, 3s.

HUMIDITY IN COTTON SPINNING, by Sir B. Dobson, revised by W. W. Midgley. Royal 8vo. 2nd ed. 145 pp. Illus. 1902. J. Heywood, 3s. 6d.

NOTES ON HAND SPINNING, by

Annie Garnett. 8vo. 4 Plates. Dulau, 2s. 6d.

PRACTICAL TREATISE ON MULE Spinning, by T. Thornley. Cr. 8vo. 648 pp. 146 Illus. 1899. J. Heywood, 6s. 6d.

SOME DIFFICULTIES IN COTTON Spinning, by Sir B. Dobson. Cr. 4to. Revised ed. 131 pp. Illus. 1903. J. Heywood, 2s. 6d.

STUDENT'S ASSISTANT TO PRACTICAL Cotton Spinning, by T. Bryers. Cr. 8vo. A. Heywood, Manchester, 2s. 6d.

STUDENTS' COTTON SPINNING, by J. N. Nasmith. Cr. 8vo. 6th ed. 620 pp. 249 Illus. J. Heywood, 6s.

SPINNING WOOLLEN AND WORSTED (for Students), by W. S. B. McLaren. Cassell, 4s. 6d.

THEORY AND PRACTICE OF JUTE Spinning, by W. Leggatt. Imp. 8vo. 300 pp. 140 Scale Diagrams. 1902. Simpkin, 10s. 6d.

WOOLLEN SPINNING, Text-book for Students, Practical Men, etc., by C. Vickerman. Cr. 8vo. 352 pp. 67 Illus. 1894. Macmillan, 6s.

YOUNG MAN'S ASSISTANT TO COTTON Spinning, by A. Prestwick. Cr. 8vo. 3rd ed. 168 pp. Illus. J. Heywood, 4s. 6d.

(See also **Cotton Manufacture, Woollens.**)

Weaving.

AMERICAN WEAVER, by G. R. Rymarczick. J. M. Wade & Co., Boston, U.S.A., \$1.

ANALYSIS AND REPRODUCTION OF Textile Fabrics, by Aldred R. Barker. 8vo. 230 pp. Illus. 1894. Marsden & Co., Manchester, 5s.

COTTON MANUFACTURE, by John Lister. 8vo. 222 pp. Illus. 1894. Lockwood, 7s. 6d.

COTTON WEAVING, by R. Marsden, for Workmen and Students. Sm. post 8vo. 533 pp. 213 Illus. 1895. Bell, 10s. 6d.

COTTON WEAVING AND DESIGNING, by J. T. Taylor. Cr. 8vo. 3rd ed. 293 pp. 371 Illus. 1898. Longmans, 7s. 6d.

COTTON WEAVING CALCULATIONS, by J. Holmes. Holmes, Burnley, 2s. 6d.

JACQUARD MACHINE ANALYSED and Explained, by E. A. Posselt. 4to. 230 illus. Baird, Philadelphia, \$3.

JACQUARD WEAVING AND DESIGNING, by F. T. Bell. Demy 8vo 303 pp. 199 illus. 1895. Longmans, 12s.

MANUAL OF WEAVE CONSTRUCTION, by I. Kastaneti, trans. by S. S. Dale. 100 pp. J. M. Wade & Co., Boston, U.S.A., \$1.50.

MECHANISM OF WEAVING, by T. W. Fox. Cr. 8vo. 512 pp. 257 illus. 1900. Macmillan, 7s. 6d.

POWER-LOOM WEAVING AND YARN Numbering, from German of A. Gruner. Cr. 8vo. 150 pp. 26 Diagrams in Colours. 1900. Scott, Greenwood, 7s. 6d.

PRACTICAL TREATISE ON WEAVING and Designing of Textile Fabrics, by T. R. Ashenhurst. Demy 8vo. 5th ed. 402 pp. 380 illus. 1893. Simpkin, 12s. 6d.

PRACTICAL TREATISE ON THE CONSTRUCTION of the Power-loom and Art of Weaving, by A. Brown. 7th ed. illus. 1896. J. P. Mathew & Co., Dundee, 3s. 6d.

RECENT IMPROVEMENTS IN TEXTILE Machinery relating to Weaving, by E. A. Posselt. 4to. Part I. 184 pp. 1898. 15s. Part II. 4to. 1900. 15s. Low.

SPINNING AND WEAVING CALCULATIONS, especially relating to Woollens, from German of N. Reiser. Demy 8vo. 170 pp. 34 illus. 1904. Scott, Greenwood, 10s. 6d.

THEORY AND PRACTICE OF ART OF Weaving by Hand and Power, by J. Watson. Demy 8vo. 3rd ed. 482 pp. 58 illus. 1888. Simpkin, 8s.

THEORY AND PRACTICE OF THE Art of Weaving Linen and Jute Manufactures by Power Loom, by W. Leggatt. 12mo. 1893. W. Kidd, Dundee, 3s.

THEORY AND PRACTICE OF DAMASK Weaving, from German of H. Kinzer and K. Walter. Royal 8vo. 110 pp. 6 illus. 18 Plates. 1903. Scott, Greenwood, 8s. 6d.

WEAVING CALCULATIONS, by C. P. Brooks. Cr. 8vo. 208 pp. 1899. Spon, 2s. 6d.

WEAVING PROBLEMS, for Students, by T. Oliver. 500 Problems. W. & J. Kennedy, Hawick, 2s.

Woollens, Worsted.

FAULTS IN THE MANUFACTURE OF Woollen Goods and their Prevention, by N. Reiser; trans. from German. Cr. 8vo. 170 pp. 63 illus. 1903. Scott, Greenwood, 5s.

HOW TO MAKE A WOOLLEN MILL Pay, by J. Mackie. Cr. 8vo. 76 pp. 1904. Scott, Greenwood, 3s. 6d.

MANUFACTURING PROCESSES OF Wool and Worsted, by J. Lister. Cr. 8vo. 205 pp. illus. A. Heywood, Manchester, 6s.

PRACTICAL TREATISE ON THE Manufacture of Worsted and Carded Yarns, by C. Leroux, trans. from French. 8vo. 341 pp. Baird, Philadelphia, \$5.

PRINCIPLES OF WOOL-COMBING, by H. Priestman. Cr. 8vo. 284 pp. 1904. Bell, 6s.

WOOL CARDER'S VADE MECUM, by W. C. Bramwell. 12mo. 3rd ed. 400 pp. illus. Baird, Philadelphia, \$2.50.

WOOLLEN AND WORSTED CLOTH Manufacture, for Workmen and Students, by R. Beaumont. Small post 8vo. 3rd ed. 471 pp. 209 illus. 1899. Bell, 7s. 6d.

(See also **Spinning and Weaving.**)

SECTION 68.

TIMBER.

Carpentry and Joinery. See section 12.)

Diseases.

DRY ROT IN TIMBER, by W. H. Bidlake. 8vo. 24 pp. 2 Plates. 1889. Batsford, 1s. 6d.

TIMBER AND SOME OF ITS Diseases, by H. M. Ward. Cr. 8vo. 296 pp. 45 illus. 1897. Macmillan, 6s.

TREATISE ON THE ORIGIN, PROGRESS, Prevention and Cure of Dry Rot in Timber, by T. A. Britton. Cr. 8vo. 10 Plates. Spon, 7s. 6d.

(**Forestry.** See **Agriculture**, section 1.)

Measuring and Calculating.

AITKEN'S TIMBER MEASURER, Liverpool Measure. Rider, 9s.

ANGLO-FRENCH CALCULATOR FOR Timber Trade. Demy 8vo. Rider, 1s.

CALCULATOR OR TIMBER MERCHANTS' and Builders' Guide, by W. Richardson and C. Gane. Cr. 8vo. 502 pp. 1860. Kelly's, 7s. 6d.

HOPPUS'S MEASURER, ed. by W. Richardson. Oblong 8vo. 238 pp. Warne, 2s.

LAKE'S BOOK OF TABLES AND Useful Information for Timber Trade. *Timber*, 1s.

MENSURATION OF TIMBER, by P. J. Carter. 1893. B. Quaritch, 1s.

PACKING-CASE TABLES, by W. Richardson. Oblong 4to. 3rd ed. Lockwood, 3s. 6d.

PEDDIE'S PRACTICAL MEASURER, for Wood Merchants, Builders, Carpenters, etc. Fcp. 8vo. Gresham Pub. Co., 7s. 6d.

POCKET CALCULATIONS FOR THE Use of Timber Merchants, by W. Richardson. Cr. 8vo. 160 pp. 1880. Kelly's, 4s.

PRACTICAL MEASURER, by A. Peddie. Fcp. 8vo. Blackie, 7s. 6d.

PRACTICAL TABLES FOR THE REDUCTION of Pieces to Running Feet, by I. Iverus and J. A. K. Saren. 4to. 52 pp. Rider, 4s.

PRINCIPLES AND PRACTICE OF Timber Measuring and Valuing, by T. Bright. Large cr. 8vo. 152 pp. 37 illus. 1900. *Land Agent's Record*, 5s.

RAILWAY RATES STANDARD Timber Measurer and Calculator, by E. A. P. Burt. Cr. 8vo. 320 pp. Rider, 4s.

ST. PETERSBURG STANDARD CALCULATOR, by W. D. Pool. Demy 8vo. Rider, 3s. 6d.

STANDARD STAVE MEASURER AND Calculator, by E. A. P. Burt. Demy 8vo. 150 pp. Rider, 4s.

TABLE OF CUBIC CONTENTS FOR Measurement of Timber by 144 and 113 Divisors. Demy 8vo. 202 pp. 1903. Simpkin, 31s. 6d.

TIMBER MERCHANT AND BUILDER'S Vade Mecum, by G. Bonsfield. 6th ed. 120 pp. 46 Tables. Rider, 4s.

TIMBER MERCHANT AND BUILDER'S

Companion, by W. Dowsing. Cr. 8vo. 4th ed. 1886. Lockwood, 3s.

TIMBER TRADES' MEASURER AND Calculator, by M. B. Cotsworth. Royal 16mo. McCorquodale, 3s. 6d.

Sawing and Working.

ARRANGEMENT, CARE AND OPERATION of Wood-working Factories and Machinery, by J. Richards. Cr. 8vo. 2nd ed. 150 pp. 64 illus. 1885. Spon, 5s.

HANDBOOK OF SAWMILL AND Wood-converting Machinery, by M. P. Bale. Rider, 2s. 6d.

MODERN WOOD-WORKING MACHINERY, by J. S. Ransome. Cr. 8vo. 236 pp. 72 illus. 236 pp. Rider, 3s. 6d.

SAWMILL WORK AND PRACTICE, by W. J. Blackmuir. Cr. 8vo. 166 pp. 1904. W. Rider, 3s. 6d.

SAWMILLS: THEIR ARRANGEMENT and Management, by M. P. Bale. Large cr. 8vo. 2nd ed. 346 pp. 63 illus. 1896. Lockwood, 10s. 6d.

TIMBER SAWING, MOULDING, ETC., by A. Mackintosh. *Timber*, 1s.

WOOD-WORKING MACHINERY: ITS Rise, Progress and Construction, by M. P. Bale. Large cr. 8vo. 2nd ed. 434 pp. 50 illus. 1894. Lockwood, 9s.

Timber Trade.

ENGLISH TIMBER AND ITS Economical Conversion, by "Acorn," Cr. 8vo. 216 pp. 1903. Rider, 3s. 6d.

MANUAL OF INDIAN TIMBER, by J. S. Gamble. Med. 8vo. 2nd ed. 882 pp. illus. 1902. Low, 18s.

SHIPPING MARKS ON DEALS, Battens, Boards, Timber, Joinery Exported from Sweden, Norway, Canada, U.S.A., etc., with English and French Classifications. Cr. 8vo. 2nd ed. 184 pp. 1903. Rider, 6s.

SOFT WOODS AND COLONIAL TIMBERS, by P. A. Wells. Cr. 8vo. 1904. P. Marshall, 6s.

TELEGRAPHIC CODE FOR THE Timber Trade. 12mo. 136 pp. Rider, 10s. 6d.

TIMBER AND TIMBER TREES, Native and Foreign, by T. Laslett; revised by H. M. Ward. Cr. 8vo.

2nd ed. 442 pp. 34 Illus. 172 Tables. 1894. Macmillan, 8s. 6d.

TIMBER: COMPREHENSIVE STUDY of Wood in all its Aspects (Commercial and Botanical), trans. from French of P. Charpentier. Royal 8vo. 437 pp. 178 Illus. 1902. Scott, Greenwood, 12s. 6d.

TIMBER IMPORTERS', TIMBER MERCHANTS' and Builders' Standard Guide, by R. E. Grandy. Cr. 8vo. Lockwood, 2s.

TIMBER TRADES DIRECTORY: Lists of Firms in British Isles, France, Germany, Russia, U.S.A., N.Z., etc., Engaged in the Timber and Wood-consuming Trades. Demy 8vo. 416 pp. 1901. Rider, 7s. 6d.

TREES OF COMMERCE, by W. Stevenson. Cr. 8vo. 2nd ed. 226 pp. Rider, 3s. 6d.

WOOD: MANUAL OF THE NATURAL History and Industrial Applications of the Timbers of Commerce, by G. S. Boulger. 369 pp. 82 Illus. 1902. E. Arnold.

WOOD: ITS USE AS A CONSTRUCTIVE Material, by W. Stevenson. Cr. 8vo. 240 pp. 50 Illus. 1894. Batsford, 4s. 6d.

(Varnishes. See section 49.)

(Ventilation. See section 54.)

SECTION 69.

VETERINARY.

General.

ANIMAL CASTRATION, by A. Liautard. Cr. 8vo. 9th ed. 178 pp. 53 Plates. 1902. Baillière, 7s. 6d.

ELEMENTARY LECTURES ON VETERINARY Science, by H. Thompson. Demy 8vo. 2nd ed. 397 pp. 1903. Baillière, 6s.

MANUAL OF VETERINARY HYGIENE, by F. Smith. 2nd ed. 93 Illus. Baillière, 10s. 6d.

MANUAL OF VETERINARY PHYSIOLOGY, by F. Smith, A.V.D., F.R.C.V.S. 2nd ed. 120 Illus. Baillière, 15s.

TEXT-BOOK OF VETERINARY Obstetrics, by G. Fleming, C.B.,

L.L.D., F.R.C.V.S. Med. 8vo. 2nd ed. 758 pp. 226 Illus. 1896. Baillière, 25s.

TEXT-BOOK OF VETERINARY Ophthalmology, by G. G. van Mater, M.D. (U.S.A.). Demy 8vo. 157 pp. 71 Illus. 1897. Baillière, 15s.

VETERINARY HANDBOOK (Puriton's). New ed. 1901. Official Guide, Limited, Dublin, 2s. 6d.

VETERINARY OBSTETRICS, by W. H. Dalrymple, M.R.C.V.S. W. R. Jenkins, N.Y., \$2.50.

VETERINARY OBSTETRICS, by G. Fleming, F.R.C.V.S. 757 pp. W. R. Jenkins, N.Y., \$6.25.

Cattle, Sheep.

BOVINE OBSTETRICS, by M. G. de Bruin; trans. by W. E. A. Wyman, M.D.V. 8vo. 382 pp. 77 Illus. W. R. Jenkins, N.Y., \$5.

BOVINE PRESCRIBER, for Practitioners and Students, by A. and C. Gresswell. Cr. 8vo. 2nd ed. 100 pp. 1894. Baillière, 2s. 6d.

CATTLE DOCTOR, by G. Armatage. Demy 8vo. 7th ed. 928 pp. 359 Illus. 1899. Warne, 21s.

CATTLE TUBERCULOSIS, by T. M. Legge, M.A., M.D., D.P.H. Large cr. 8vo. 78 pp. 23 Tables. Coloured Plate. 1898. Baillière, 2s. 6d.

COMMON AILMENTS AND DISEASES of Farm Stock, by A. I. MacCallum. Cr. 8vo. 56 pp. 1899. Livingstone, Edinburgh, 1s. 6d.

DISEASES AND DISORDERS OF THE Ox, by G. Gresswell. 8vo. Illus. W. R. Jenkins, N.Y., \$3.50.

DISEASES OF LIVE STOCK and their Remedies, by B. E. Miller, W. P. Hazard and others. Demy 8vo. 524 pp. 107 Illus. 1893. Baillière, 10s. 6d.

DISEASES OF THE Ox, by J. H. Steel. Large cr. 8vo. 5th ed. 520 pp. 117 Illus. 2 Plates. 1895. Longmans, 15s.

DISEASES OF THE SHEEP, by J. H. Steel. Large cr. 8vo. 362 pp. 87 Illus. and Plate. 10 Tables. 1893. Longmans, 12s.

FARMER'S VETERINARY ADVISER, by J. Law. Cr. 8vo. 6th ed. 422 pp. 72 Illus. E. Menken, 5s.

Cattle, Sheep, continued.

PRACTICAL VETERINARY ADVICE for Stockowners, by A. H. Archer. Cr. 8vo. 2nd ed. 80 pp. 1901. Vinton, 1s. 6d.

SHEEP DOCTOR, by G. Armatage. Demy 8vo. 608 pp. 150 illus. 1895. Warne, 10s. 6d.

Domestic Animals.

CANINE AND FELINE SURGERY, by F. T. G. Hobday. Demy 8vo. 152 pp. 76 illus. 1900. W. R. Jenkins, N.Y., \$2.

COMPARATIVE ANATOMY OF THE DOMESTICATED ANIMALS, by A. Chauveau, trans. by G. Fleming. 8vo. 585 illus. W. R. Jenkins, N.Y., \$5.75.

COMPARATIVE ANATOMY OF THE DOMESTICATED ANIMALS, by J. M'Fadyean, M.B., C.M., B.Sc. Part I. Osteology and Arthrology. Demy 8vo. 206 pp. 151 illus. Johnston, 10s.

DISEASES OF THE CAT, by H. J. Woodroffe. Cr. 8vo. 124 pp. 8 Plates. 1901. Baillière, 3s. 6d.

DISEASES OF THE DOG, by J. H. Steel. Large cr. 8vo. 286 pp. 86 illus. 1894. Longmans, 10s. 6d.

DISEASES OF DOGS AND CATS AND THEIR TREATMENT, by a Veterinary Surgeon. Cr. 8vo. 200 pp. 1893. *British and Colonial Druggist*, 1s.

DISEASES OF THE DOG AND THEIR TREATMENT, trans. from G. Muller. Med. 8vo. 420 pp. 93 illus. 1900. Baillière, 21s.

DOGS: THEIR MANAGEMENT AND TREATMENT IN DISEASE, by Ashmont. 208 pp. Forest & Stream Pub. Co., N.Y., \$2.

HYDROPHOBIA: PASTEUR'S METHODS, by R. Suzor. Cr. 8vo. 231 pp. 1887. Chatto, 6s.

INDIAN NOTES ABOUT DOGS: THEIR DISEASES AND TREATMENT, by Major C. Fcp. 8vo. 6th ed. Thacker, 1r. 8an.

TREATISE ON THE PARASITES AND PARASITIC DISEASES OF DOMESTICATED ANIMALS, trans. from L. G. Neumann. Spr. royal 8vo. 800 pp. 365 illus. 1892. Baillière, 25s.

Horses.

ANATOMY OF THE HORSE: DISSECTION Guide, by J. M'Fadyean, M.B., B.Sc. Demy 8vo. 51 illus. 48 Coloured Plates. W. & A. K. Johnston, 24s.

ANATOMY OF THE HORSE, by G. Stubbs. Demy folio. Plates. 18 Tables. Gibbings & Co., 42s.

CLINICAL DIAGNOSIS OF LAMENESS in the Horse, by W. E. A. Wyman. 8vo. W. R. Jenkins, N.Y., \$2.50.

COMMON COLICS OF THE HORSE: Their Causes, Symptoms, Diagnosis and Treatment, by H. C. Reeks. Cr. 8vo. 238 pp. 1902. Baillière, 5s.

DISEASES AND DISORDERS OF THE HORSE, by A. and C. Gresswell. 86 illus. Baillière, 3s. 6d.

DISEASES OF THE HORSE AND HOW to Treat Them, by R. Chawner. 12mo. illus. H. T. Coates & Co., Philadelphia, \$1 25.

EQUINE HOSPITAL PRESCRIBER, for Practitioners and Students, by A. and C. Gresswell. Cr. 8vo. 3rd ed. 165 pp. 1898. Baillière, 2s. 6d.

EXERCISES IN EQUINE SURGERY, trans. from P. J. Cadot, by A. W. Billing, D.V.M. (U.S.A.). 8vo. 56 illus. 1897. Baillière, 12s. 6d.

FOOT OF THE HORSE, by D. Roberge (U.S.A.). Demy 8vo. 269 pp. 65 illus. 1894. Baillière, 21s.

GUIDE TO EXAMINATION OF HORSES for Soundness, for Students and Beginners, by J. Moore, F.R.C.V.S. Fcp 8vo. 22 pp. 1900. Thacker, 1s. 6d. boards.

HORSE, CATTLE AND SHEEP DOCTOR, by R. McClure, M.D. Demy 8vo. 500 pp. 100 illus. 1901. Henneberry Co., Chicago, \$1.50.

HORSE DOCTOR, by G. Armatage. Demy 8vo. 5th ed. 850 pp. 330 illus. Warne, 21s.

HORSE'S FOOT AND ITS DISEASE, by A. Zundel, trans. by Dr. Liautard. 12mo. illus. W. R. Jenkins, N.Y., \$2.

HORSES: IN ACCIDENT AND DISEASE, by J. R. Cox, F.R.C.V.S. 8vo. W. R. Jenkins, N.Y., \$1.50.

HORSES, SOUND AND UNSOUND, with Law relating to Sales and Warranty, by J. I. Lupton. Demy

8vo. 220 pp. 30 Illus. 1899. Baillière, 2s. 6d.

LAMENESS OF HORSES AND DISEASES of the Locomotory Apparatus, by A. Liautard, M.D.V.M. (U.S.A.). Cr. 8vo. 313 pp. 1888. Baillière, 10s. 6d.

MANUAL OF THE THEORY AND Practice of Equine Medicine, by A. and C. Gresswell. Demy 8vo. 2nd ed. 774 pp. 1890. Baillière, 10s. 6d.

OUTLINES OF EQUINE ANATOMY, by J. H. Steel. Cr. 8vo. 312 pp. Longmans, 7s. 6d.

ROARING IN HORSES: ITS PATHOLOGY and Treatment, by Prof. Cadiot. 78 pp. 18 Illus. 1892. Sonnenschein, 2s. 6d.

VETERINARY MANUAL, for Horse Owners, by F. T. Barton. Cr. 8vo. 506 pp. 60 Illus. 1901. R. A. Everett & Co., 10s. 6d.

VETERINARY NOTES FOR HORSE Owners, by M. H. Hayes. Demy 8vo. 6th ed. 852 pp. 267 Illus. 1903. Hurst & Blackett, 15s.

(Horses. See also section 31.)

Medicine.

CLINICAL VETERINARY MEDICINE and Surgery, by J. A. Cadiot. Royal 8vo. 1903. Gay & Bird, 15s.

COMPEND OF VETERINARY MATERIA Medica and Therapeutics, by A. C. Hasslock. 12mo. W. R. Jenkins, N.Y., \$1.50.

MANUAL OF VETERINARY MEDICINE and Surgery, by E. Courtenay. W. R. Jenkins, N.Y., \$2.75.

PRINCIPLES AND PRACTICE OF Veterinary Medicine, by W. Williams. Demy 8vo. 8th ed. 864 pp. 81 Illus. 22 Plates. 1897. Baillière, 30s.

VETERINARY MATERIA MEDICA and Therapeutics, by K. Winslow, B.A.S., M.D.V., M.D. (U.S.A.). Royal 8vo. 755 pp. 1901. Baillière, 21s.

VETERINARY MEDICINES: THEIR Actions and Uses, by F. Dun. Demy 8vo. 10th ed. 794 pp. 1901. D. Douglas, Edinburgh, 15s.

VETERINARY PHARMACOPEIA AND Manual of Comparative Therapy, by G. C. Gresswell. Demy 8vo. 2nd ed. 472 pp. 1903. Baillière, 12s. 6d.

Surgery.

CLINICAL VETERINARY MEDICINE and Surgery, by J. A. Cadiot and J. A. Dollar. Royal 8vo. 1903. Gay & Bird, 15s.

COURSE IN SURGICAL OPERATIONS, for Veterinary Students and Practitioners, by W. Pfeiffer and W. L. Williams. Cr. 8vo. 42 Illus. 1900. Baillière, 5s.

FLEMING'S TEXT-BOOK OF OPERATIVE Veterinary Surgery. Vol. I., ed. by J. Macqueen. Royal 8vo. 2nd ed. 304 pp. 343 Illus. 1903. Baillière, 10s.

MANUAL OF OPERATIVE VETERINARY Surgery, by A. Liautard, M.D.V.M. (U.S.A.). 786 pp. 563 Illus. Baillière, 30s.

MÖLLER'S OPERATIVE VETERINARY Surgery, trans. from 1894 ed., by J. A. W. Dollar. Royal 8vo. 142 Illus. D. Douglas, Edinburgh, 21s.

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SECTION 70.

WATCHES, CLOCKS.

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SECTION 71.

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(Wells. See **Water Supply**.)

(Rivers, Canals, River Pollution. See section 58. Irrigation. See section 1. Ice-making. See section 21.)

(Wills. See section 40.)

(Workmen's Compensation. See section 22.)

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